# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM032917\
Data File : BM009444.D
Acq On : 30 Mar 2017 09:47
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Mar 30 13:37:07 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 16:43:02 2017
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 | 85 | -0.01 |
| 2 | | 1,4-Dioxane | 0.603 | 0.550 | 8.8 | 81 | -0.01 |
| 3 | | Pyridine | 1.705 | 1.713 | -0.5 | 83 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.908 | 0.924 | -1.8 | 86 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.200 | 1.228 | -2.3 | 86 | -0.01 |
| 6 | | Aniline | 2.224 | 2.370 | -6.6 | 87 | 0.00 |
| 7 | S | Phenol-d6 | 1.636 | 1.762 | -7.7 | 87 | -0.01 |
| 8 | | 2-Chlorophenol | 1.217 | 1.294 | -6.3 | 85 | -0.01 |
| 9 | | Benzaldehyde | 1.288 | 1.220 | 5.3 | 79 | -0.01 |
| 10 | C | Phenol | 1.773 | 1.916 | -8.1 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.453 | 1.531 | -5.4 | 87 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.457 | 1.514 | -3.9 | 86 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.505 | 1.550 | -3.0 | 86 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.461 | 1.507 | -3.1 | 84 | -0.01 |
| 15 | | Benzyl Alcohol | 1.430 | 1.548 | -8.3 | 90 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.526 | 2.648 | -4.8 | 88 | -0.01 |
| 17 | | 2-Methylphenol | 1.160 | 1.274 | -9.8 | 89 | -0.01 |
| 18 | | Hexachloroethane | 0.616 | 0.628 | -1.9 | 83 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.319 | 1.471 | -11.5 | 92 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.577 | 1.752 | -11.1 | 91 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 90 | -0.01 |
| 22 | | Acetophenone | 0.564 | 0.578 | -2.5 | 89 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.533 | 0.550 | -3.2 | 90 | -0.01 |
| 24 | | Nitrobenzene | 0.523 | 0.541 | -3.4 | 91 | -0.01 |
| 25 | | Isophorone | 0.814 | 0.876 | -7.6 | 93 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.158 | 0.169 | -7.0 | 91 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.288 | 0.307 | -6.6 | 94 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.504 | 0.517 | -2.6 | 91 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.301 | 0.316 | -5.0 | 90 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.374 | 0.371 | 0.8 | 87 | -0.01 |
| 31 | | Naphthalene | 1.062 | 1.074 | -1.1 | 89 | -0.01 |
| 32 | | Benzoic acid | 0.196 | 0.182 | 7.1 | 82 | 0.00 |
| 33 | | 4-Chloroaniline | 0.409 | 0.441 | -7.8 | 93 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.256 | 0.254 | 0.8 | 89 | -0.01 |
| 35 | | Caprolactam | 0.092 | 0.105 | -14.1 | 100 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.341 | 0.382 | -12.0 | 96 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.733 | 0.780 | -6.4 | 94 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 99 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.755 | 0.746 | 1.2 | 94 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.433 | 0.381 | 12.0 | 82 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.248 | 0.270 | -8.9 | 102 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.432 | 0.432 | 0.0 | 92 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.482 | 0.490 | -1.7 | 95 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.660 | 1.632 | 1.7 | 94 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.665 | 1.653 | 0.7 | 95 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.293 | 1.265 | 2.2 | 94 | -0.01 |
| 47 | | 2-Nitroaniline | 0.476 | 0.525 | -10.3 | 103 | -0.01 |
| 48 | | Acenaphthylene | 2.106 | 2.148 | -2.0 | 97 | -0.01 |
| 49 | | Dimethylphthalate | 1.536 | 1.580 | -2.9 | 100 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.331 | 0.348 | -5.1 | 97 | 0.00 |
| 51 | C | Acenaphthene | 1.271 | 1.294 | -1.8 | 98 | -0.01 |
| 52 | | 3-Nitroaniline | 0.326 | 0.360 | -10.4 | 102 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.195 | 0.162 | 16.9 | 82 | 0.00 |
| 54 | | Dibenzofuran | 1.879 | 1.904 | -1.3 | 99 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.269 | 0.276 | -2.6 | 97 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.448 | 0.487 | -8.7 | 105 | -0.01 |
| 57 | | Fluorene | 1.689 | 1.723 | -2.0 | 99 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.407 | 0.426 | -4.7 | 100 | -0.01 |
| 59 | | Diethylphthalate | 1.558 | 1.651 | -6.0 | 103 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.882 | 0.884 | -0.2 | 98 | -0.01 |
| 61 | | 4-Nitroaniline | 0.354 | 0.384 | -8.5 | 106 | 0.00 |
| 62 | | Azobenzene | 1.819 | 1.958 | -7.6 | 103 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.121 | 4.0 | 98 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.608 | 0.618 | -1.6 | 100 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.232 | 0.234 | -0.9 | 103 | 0.00 |
| 67 | | Hexachlorobenzene | 0.254 | 0.254 | 0.0 | 103 | 0.00 |
| 68 | | Atrazine | 0.228 | 0.235 | -3.1 | 104 | 0.00 |
| 69 | C | Pentachlorophenol | 0.155 | 0.151 | 2.6 | 100 | -0.01 |
| 70 | | Phenanthrene | 1.144 | 1.173 | -2.5 | 105 | -0.01 |
| 71 | | Anthracene | 1.158 | 1.200 | -3.6 | 105 | -0.01 |
| 72 | | Carbazole | 1.109 | 1.170 | -5.5 | 108 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.133 | 1.237 | -9.2 | 109 | -0.01 |
| 74 | C | Fluoranthene | 1.355 | 1.428 | -5.4 | 111 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 76 | | Benzidine | 0.596 | 0.553 | 7.2 | 100 | -0.01 |
| 77 | | Pyrene | 1.134 | 1.144 | -0.9 | 109 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.957 | 0.966 | -0.9 | 108 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.408 | 0.435 | -6.6 | 113 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.168 | 1.177 | -0.8 | 113 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.437 | 0.465 | -6.4 | 117 | 0.00 |
| 82 | | Chrysene | 1.115 | 1.123 | -0.7 | 112 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.610 | 0.646 | -5.9 | 113 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.014 | 1.112 | -9.7 | 118 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.216 | 1.251 | -2.9 | 117 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 116 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.268 | 1.297 | -2.3 | 115 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.219 | 1.249 | -2.5 | 116 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.174 | 1.209 | -3.0 | 116 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.150 | 1.182 | -2.8 | 116 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 1.121 | 1.142 | -1.9 | 115 | -0.02 |

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