# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020718\
Data File : BM014164.D
Acq On : 07 Feb 2018 16:37
Operator : SJ/JU
Sample : SSTICCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTICCC040

Quant Time: Feb 07 17:58:18 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 17:16:49 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 | 81 | 0.00 |
| 2 | | 1,4-Dioxane | 0.472 | 0.447 | 5.3 | 78 | 0.00 |
| 3 | | Pyridine | 1.306 | 1.321 | -1.1 | 79 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.832 | 0.882 | -6.0 | 85 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.147 | 1.121 | 2.3 | 78 | 0.00 |
| 6 | | Aniline | 2.072 | 2.047 | 1.2 | 77 | 0.00 |
| 7 | S | Phenol-d6 | 1.625 | 1.618 | 0.4 | 77 | 0.00 |
| 8 | | 2-Chlorophenol | 1.304 | 1.269 | 2.7 | 76 | 0.00 |
| 9 | | Benzaldehyde | 1.170 | 1.200 | -2.6 | 78 | 0.00 |
| 10 | C | Phenol | 1.604 | 1.619 | -0.9 | 80 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.268 | 1.249 | 1.5 | 79 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.630 | 1.584 | 2.8 | 77 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.638 | 1.648 | -0.6 | 80 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.648 | 1.649 | -0.1 | 80 | 0.00 |
| 15 | | Benzyl Alcohol | 1.506 | 1.559 | -3.5 | 80 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.290 | 1.244 | 3.6 | 78 | -0.01 |
| 17 | | 2-Methylphenol | 1.228 | 1.228 | 0.0 | 78 | 0.00 |
| 18 | | Hexachloroethane | 0.708 | 0.722 | -2.0 | 81 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.400 | 1.463 | -4.5 | 80 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.778 | 1.811 | -1.9 | 80 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 22 | | Acetophenone | 0.575 | 0.550 | 4.3 | 79 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.448 | 0.449 | -0.2 | 82 | 0.00 |
| 24 | | Nitrobenzene | 0.461 | 0.440 | 4.6 | 80 | 0.00 |
| 25 | | Isophorone | 0.742 | 0.716 | 3.5 | 81 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.174 | 0.163 | 6.3 | 79 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.265 | 0.260 | 1.9 | 82 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.380 | 0.377 | 0.8 | 82 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.296 | 0.313 | -5.7 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.390 | 0.384 | 1.5 | 85 | 0.00 |
| 31 | | Naphthalene | 1.095 | 1.094 | 0.1 | 83 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.209 | 0.0 | 84 | 0.00 |
| 33 | | 4-Chloroaniline | 0.455 | 0.461 | -1.3 | 85 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.268 | 0.262 | 2.2 | 85 | 0.00 |
| 35 | | Caprolactam | 0.106 | 0.108 | -1.9 | 86 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.367 | 0.392 | -6.8 | 85 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.825 | 0.856 | -3.8 | 84 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.701 | 0.690 | 1.6 | 88 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.353 | 0.345 | 2.3 | 85 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.284 | 0.313 | -10.2 | 94 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.412 | 0.413 | -0.2 | 86 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.455 | 0.474 | -4.2 | 90 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.602 | 1.594 | 0.5 | 87 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.732 | 1.740 | -0.5 | 86 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.315 | 1.328 | -1.0 | 87 | 0.00 |
| 47 | | 2-Nitroaniline | 0.484 | 0.489 | -1.0 | 87 | 0.00 |
| 48 | | Acenaphthylene | 2.156 | 2.198 | -1.9 | 89 | 0.00 |
| 49 | | Dimethylphthalate | 1.790 | 1.821 | -1.7 | 88 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.367 | 0.373 | -1.6 | 86 | 0.00 |
| 51 | C | Acenaphthene | 1.329 | 1.354 | -1.9 | 90 | 0.00 |
| 52 | | 3-Nitroaniline | 0.380 | 0.390 | -2.6 | 90 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.173 | 0.180 | -4.0 | 90 | 0.00 |
| 54 | | Dibenzofuran | 2.077 | 2.154 | -3.7 | 89 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.261 | 0.281 | -7.7 | 94 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.567 | 0.584 | -3.0 | 92 | 0.00 |
| 57 | | Fluorene | 1.827 | 1.915 | -4.8 | 90 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.448 | 0.463 | -3.3 | 92 | 0.00 |
| 59 | | Diethylphthalate | 1.987 | 2.113 | -6.3 | 92 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.950 | 1.004 | -5.7 | 92 | 0.00 |
| 61 | | 4-Nitroaniline | 0.380 | 0.404 | -6.3 | 93 | 0.00 |
| 62 | | Azobenzene | 2.064 | 2.192 | -6.2 | 94 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.124 | 1.6 | 93 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.631 | 0.634 | -0.5 | 93 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.234 | 0.233 | 0.4 | 92 | 0.00 |
| 67 | | Hexachlorobenzene | 0.257 | 0.251 | 2.3 | 92 | 0.00 |
| 68 | | Atrazine | 0.237 | 0.247 | -4.2 | 98 | 0.00 |
| 69 | C | Pentachlorophenol | 0.154 | 0.154 | 0.0 | 95 | 0.00 |
| 70 | | Phenanthrene | 1.206 | 1.195 | 0.9 | 95 | 0.00 |
| 71 | | Anthracene | 1.176 | 1.213 | -3.1 | 96 | 0.00 |
| 72 | | Carbazole | 1.105 | 1.124 | -1.7 | 96 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.414 | 1.507 | -6.6 | 99 | 0.00 |
| 74 | C | Fluoranthene | 1.420 | 1.478 | -4.1 | 99 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 76 | | Benzidine | 0.596 | 0.617 | -3.5 | 106 | 0.00 |
| 77 | | Pyrene | 1.389 | 1.377 | 0.9 | 101 | 0.00 |
| 78 | S | Terphenyl-d14 | 1.024 | 1.013 | 1.1 | 102 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.626 | 0.627 | -0.2 | 106 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.300 | 1.324 | -1.8 | 108 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.486 | 0.495 | -1.9 | 110 | 0.00 |
| 82 | | Chrysene | 1.261 | 1.278 | -1.3 | 110 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.913 | 0.930 | -1.9 | 112 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.264 | 1.344 | -6.3 | 118 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.991 | 1.017 | -2.6 | 122 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.388 | 1.457 | -5.0 | 118 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.319 | 1.325 | -0.5 | 117 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.223 | 1.253 | -2.5 | 118 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.999 | 1.014 | -1.5 | 121 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.934 | 0.946 | -1.3 | 120 | 0.00 |

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