# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM051917\
Data File : BM010073.D
Acq On : 19 May 2017 14:00
Operator : SJ/MA
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ICVBM051917

Quant Time: May 19 14:33:23 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 19 14:14:03 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 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 0.509 | 0.534 | -4.9 | 96 | 0.00 |
| 3 | | Pyridine | 1.362 | 1.437 | -5.5 | 91 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.493 | 0.510 | -3.4 | 98 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.108 | 1.098 | 0.9 | 89 | 0.00 |
| 6 | | Aniline | 1.766 | 1.780 | -0.8 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 1.425 | 1.415 | 0.7 | 88 | 0.00 |
| 8 | | 2-Chlorophenol | 1.205 | 1.183 | 1.8 | 89 | 0.00 |
| 9 | | Benzaldehyde | 0.887 | 0.917 | -3.4 | 89 | 0.00 |
| 10 | C | Phenol | 1.502 | 1.504 | -0.1 | 90 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.119 | 1.128 | -0.8 | 88 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.531 | 1.534 | -0.2 | 90 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.573 | 1.565 | 0.5 | 89 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.510 | 1.502 | 0.5 | 89 | 0.00 |
| 15 | | Benzyl Alcohol | 1.078 | 1.121 | -4.0 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.101 | 1.001 | 9.1 | 78 | 0.00 |
| 17 | | 2-Methylphenol | 1.069 | 1.091 | -2.1 | 88 | 0.00 |
| 18 | | Hexachloroethane | 0.510 | 0.516 | -1.2 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.006 | 1.032 | -2.6 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.443 | 1.448 | -0.3 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 22 | | Acetophenone | 0.513 | 0.540 | -5.3 | 89 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.371 | 0.406 | -9.4 | 89 | 0.00 |
| 24 | | Nitrobenzene | 0.382 | 0.416 | -8.9 | 90 | 0.00 |
| 25 | | Isophorone | 0.641 | 0.680 | -6.1 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.170 | -5.6 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.291 | 0.299 | -2.7 | 85 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.407 | 0.418 | -2.7 | 84 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.335 | 0.353 | -5.4 | 87 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.433 | 0.451 | -4.2 | 88 | 0.00 |
| 31 | | Naphthalene | 1.070 | 1.077 | -0.7 | 85 | 0.00 |
| 32 | | Benzoic acid | 0.198 | 0.206 | -4.0 | 86 | 0.00 |
| 33 | | 4-Chloroaniline | 0.412 | 0.430 | -4.4 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.289 | 0.308 | -6.6 | 90 | 0.00 |
| 35 | | Caprolactam | 0.096 | 0.099 | -3.1 | 81 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.362 | 0.381 | -5.2 | 85 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.770 | 0.788 | -2.3 | 86 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.769 | 0.814 | -5.9 | 90 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.444 | 0.478 | -7.7 | 89 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.304 | 0.320 | -5.3 | 87 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.453 | 0.484 | -6.8 | 87 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.501 | 0.540 | -7.8 | 87 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.556 | 1.612 | -3.6 | 88 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.645 | 1.683 | -2.3 | 87 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.332 | 1.366 | -2.6 | 87 | 0.00 |
| 47 | | 2-Nitroaniline | 0.342 | 0.356 | -4.1 | 87 | 0.00 |
| 48 | | Acenaphthylene | 1.969 | 2.023 | -2.7 | 84 | 0.00 |
| 49 | | Dimethylphthalate | 1.784 | 1.805 | -1.2 | 85 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.339 | 0.356 | -5.0 | 84 | 0.00 |
| 51 | C | Acenaphthene | 1.224 | 1.242 | -1.5 | 85 | 0.00 |
| 52 | | 3-Nitroaniline | 0.315 | 0.319 | -1.3 | 85 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.195 | 0.206 | -5.6 | 90 | 0.00 |
| 54 | | Dibenzofuran | 1.925 | 1.948 | -1.2 | 86 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.253 | 0.265 | -4.7 | 87 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.479 | 0.497 | -3.8 | 87 | 0.00 |
| 57 | | Fluorene | 1.674 | 1.719 | -2.7 | 88 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.426 | 0.460 | -8.0 | 89 | 0.00 |
| 59 | | Diethylphthalate | 1.687 | 1.740 | -3.1 | 87 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.940 | 0.966 | -2.8 | 89 | 0.00 |
| 61 | | 4-Nitroaniline | 0.320 | 0.327 | -2.2 | 86 | 0.00 |
| 62 | | Azobenzene | 1.240 | 1.333 | -7.5 | 89 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.126 | -3.3 | 88 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.599 | 0.613 | -2.3 | 88 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.256 | 0.262 | -2.3 | 89 | 0.00 |
| 67 | | Hexachlorobenzene | 0.311 | 0.306 | 1.6 | 86 | 0.00 |
| 68 | | Atrazine | 0.227 | 0.240 | -5.7 | 89 | 0.00 |
| 69 | C | Pentachlorophenol | 0.171 | 0.183 | -7.0 | 90 | 0.00 |
| 70 | | Phenanthrene | 1.119 | 1.135 | -1.4 | 88 | 0.00 |
| 71 | | Anthracene | 1.110 | 1.150 | -3.6 | 89 | 0.00 |
| 72 | | Carbazole | 0.983 | 1.008 | -2.5 | 88 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.166 | 1.208 | -3.6 | 89 | 0.00 |
| 74 | C | Fluoranthene | 1.453 | 1.509 | -3.9 | 91 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 76 | | Benzidine | 0.369 | 0.432 | -17.1 | 99 | 0.00 |
| 77 | | Pyrene | 1.072 | 1.060 | 1.1 | 91 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.880 | 0.878 | 0.2 | 91 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.397 | 0.401 | -1.0 | 92 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.102 | 1.125 | -2.1 | 95 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.443 | 0.457 | -3.2 | 94 | 0.00 |
| 82 | | Chrysene | 1.045 | 1.062 | -1.6 | 94 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.594 | 0.602 | -1.3 | 93 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.063 | 1.118 | -5.2 | 97 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.533 | 1.577 | -2.9 | 98 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.170 | 1.221 | -4.4 | 97 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.147 | 1.152 | -0.4 | 97 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.115 | 1.139 | -2.2 | 97 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.247 | 1.273 | -2.1 | 97 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.222 | 1.250 | -2.3 | 98 | 0.00 |

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