# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM032917\
Data File : BM009432.D
Acq On : 29 Mar 2017 14:49
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 30 00:58:17 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 | 79 | -0.01 |
| 2 | | 1,4-Dioxane | 0.603 | 0.563 | 6.6 | 76 | -0.01 |
| 3 | | Pyridine | 1.705 | 1.698 | 0.4 | 76 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.908 | 0.939 | -3.4 | 81 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.200 | 1.179 | 1.7 | 76 | -0.01 |
| 6 | | Aniline | 2.224 | 2.303 | -3.6 | 78 | 0.00 |
| 7 | S | Phenol-d6 | 1.636 | 1.691 | -3.4 | 77 | -0.01 |
| 8 | | 2-Chlorophenol | 1.217 | 1.258 | -3.4 | 77 | 0.00 |
| 9 | | Benzaldehyde | 1.288 | 1.202 | 6.7 | 72 | -0.01 |
| 10 | C | Phenol | 1.773 | 1.827 | -3.0 | 78 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.453 | 1.473 | -1.4 | 77 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.457 | 1.450 | 0.5 | 76 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.505 | 1.473 | 2.1 | 75 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.461 | 1.453 | 0.5 | 75 | -0.01 |
| 15 | | Benzyl Alcohol | 1.430 | 1.502 | -5.0 | 81 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.526 | 2.612 | -3.4 | 80 | -0.02 |
| 17 | | 2-Methylphenol | 1.160 | 1.214 | -4.7 | 78 | -0.01 |
| 18 | | Hexachloroethane | 0.616 | 0.635 | -3.1 | 77 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.319 | 1.432 | -8.6 | 83 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.577 | 1.671 | -6.0 | 80 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 81 | -0.01 |
| 22 | | Acetophenone | 0.564 | 0.576 | -2.1 | 80 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.533 | 0.550 | -3.2 | 81 | -0.01 |
| 24 | | Nitrobenzene | 0.523 | 0.536 | -2.5 | 81 | -0.01 |
| 25 | | Isophorone | 0.814 | 0.853 | -4.8 | 81 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.158 | 0.168 | -6.3 | 81 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.288 | 0.303 | -5.2 | 83 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.504 | 0.520 | -3.2 | 82 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.301 | 0.311 | -3.3 | 80 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.374 | 0.377 | -0.8 | 79 | -0.01 |
| 31 | | Naphthalene | 1.062 | 1.094 | -3.0 | 81 | -0.01 |
| 32 | | Benzoic acid | 0.196 | 0.198 | -1.0 | 80 | -0.01 |
| 33 | | 4-Chloroaniline | 0.409 | 0.436 | -6.6 | 83 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.256 | 0.257 | -0.4 | 81 | -0.01 |
| 35 | | Caprolactam | 0.092 | 0.100 | -8.7 | 85 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.341 | 0.364 | -6.7 | 82 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.733 | 0.765 | -4.4 | 82 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.755 | 0.745 | 1.3 | 81 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.433 | 0.412 | 4.8 | 76 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.248 | 0.272 | -9.7 | 88 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.432 | 0.452 | -4.6 | 83 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.482 | 0.501 | -3.9 | 83 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.660 | 1.661 | -0.1 | 82 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.665 | 1.698 | -2.0 | 84 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.293 | 1.312 | -1.5 | 84 | -0.01 |
| 47 | | 2-Nitroaniline | 0.476 | 0.523 | -9.9 | 88 | -0.01 |
| 48 | | Acenaphthylene | 2.106 | 2.217 | -5.3 | 86 | -0.01 |
| 49 | | Dimethylphthalate | 1.536 | 1.595 | -3.8 | 87 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.331 | 0.362 | -9.4 | 87 | -0.01 |
| 51 | C | Acenaphthene | 1.271 | 1.326 | -4.3 | 86 | 0.00 |
| 52 | | 3-Nitroaniline | 0.326 | 0.357 | -9.5 | 87 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.195 | 0.175 | 10.3 | 77 | 0.00 |
| 54 | | Dibenzofuran | 1.879 | 1.967 | -4.7 | 88 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.269 | 0.284 | -5.6 | 86 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.448 | 0.487 | -8.7 | 90 | 0.00 |
| 57 | | Fluorene | 1.689 | 1.783 | -5.6 | 88 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.407 | 0.437 | -7.4 | 88 | -0.01 |
| 59 | | Diethylphthalate | 1.558 | 1.676 | -7.6 | 90 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.882 | 0.914 | -3.6 | 87 | 0.00 |
| 61 | | 4-Nitroaniline | 0.354 | 0.396 | -11.9 | 94 | 0.00 |
| 62 | | Azobenzene | 1.819 | 2.018 | -10.9 | 91 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.124 | 1.6 | 88 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.608 | 0.620 | -2.0 | 88 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.232 | 0.242 | -4.3 | 93 | 0.00 |
| 67 | | Hexachlorobenzene | 0.254 | 0.260 | -2.4 | 92 | 0.00 |
| 68 | | Atrazine | 0.228 | 0.232 | -1.8 | 89 | 0.00 |
| 69 | C | Pentachlorophenol | 0.155 | 0.153 | 1.3 | 89 | 0.00 |
| 70 | | Phenanthrene | 1.144 | 1.177 | -2.9 | 92 | -0.01 |
| 71 | | Anthracene | 1.158 | 1.203 | -3.9 | 92 | -0.01 |
| 72 | | Carbazole | 1.109 | 1.179 | -6.3 | 96 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.133 | 1.227 | -8.3 | 95 | -0.01 |
| 74 | C | Fluoranthene | 1.355 | 1.421 | -4.9 | 96 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 76 | | Benzidine | 0.596 | 0.557 | 6.5 | 89 | -0.01 |
| 77 | | Pyrene | 1.134 | 1.158 | -2.1 | 97 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.957 | 0.978 | -2.2 | 97 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.408 | 0.437 | -7.1 | 100 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.168 | 1.203 | -3.0 | 102 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.437 | 0.457 | -4.6 | 102 | 0.00 |
| 82 | | Chrysene | 1.115 | 1.148 | -3.0 | 101 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.610 | 0.631 | -3.4 | 98 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.014 | 1.083 | -6.8 | 101 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.216 | 1.279 | -5.2 | 106 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 105 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.268 | 1.284 | -1.3 | 102 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.219 | 1.264 | -3.7 | 105 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.174 | 1.218 | -3.7 | 105 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.150 | 1.190 | -3.5 | 105 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 1.121 | 1.172 | -4.5 | 106 | -0.02 |

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