# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
Data File : BM019229.D
Acq On : 19 Mar 2019 10:25
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 19 12:20:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM031119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 19 12:12:53 2019
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 | -0.02 |
| 2 | | 1,4-Dioxane | 0.549 | 0.473 | 13.8 | 73 | -0.02 |
| 3 | | Pyridine | 1.495 | 1.472 | 1.5 | 76 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.465 | 0.402 | 13.5 | 70 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.235 | 1.160 | 6.1 | 77 | -0.02 |
| 6 | | Aniline | 2.332 | 2.298 | 1.5 | 80 | -0.02 |
| 7 | S | Phenol-d6 | 1.806 | 1.783 | 1.3 | 79 | -0.02 |
| 8 | | 2-Chlorophenol | 1.484 | 1.435 | 3.3 | 79 | -0.03 |
| 9 | | Benzaldehyde | 1.136 | 1.043 | 8.2 | 74 | -0.02 |
| 10 | C | Phenol | 1.947 | 1.932 | 0.8 | 80 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.486 | 1.431 | 3.7 | 78 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.571 | 1.482 | 5.7 | 78 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.601 | 1.501 | 6.2 | 78 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.558 | 1.485 | 4.7 | 79 | -0.02 |
| 15 | | Benzyl Alcohol | 1.495 | 1.483 | 0.8 | 79 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.517 | 1.438 | 5.2 | 78 | -0.03 |
| 17 | | 2-Methylphenol | 1.269 | 1.262 | 0.6 | 80 | -0.02 |
| 18 | | Hexachloroethane | 0.595 | 0.559 | 6.1 | 76 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.482 | 1.518 | -2.4 | 82 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.722 | 1.796 | -4.3 | 83 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 85 | -0.03 |
| 22 | | Acetophenone | 0.553 | 0.527 | 4.7 | 81 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 0.423 | 0.401 | 5.2 | 81 | -0.02 |
| 24 | | Nitrobenzene | 0.440 | 0.416 | 5.5 | 81 | -0.02 |
| 25 | | Isophorone | 0.807 | 0.790 | 2.1 | 83 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.182 | 0.183 | -0.5 | 82 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 0.271 | 0.265 | 2.2 | 83 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.478 | 0.463 | 3.1 | 83 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.300 | 0.302 | -0.7 | 83 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.339 | 0.319 | 5.9 | 82 | -0.03 |
| 31 | | Naphthalene | 1.054 | 0.989 | 6.2 | 82 | -0.02 |
| 32 | | Benzoic acid | 0.230 | 0.214 | 7.0 | 79 | -0.03 |
| 33 | | 4-Chloroaniline | 0.432 | 0.422 | 2.3 | 82 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.194 | 0.181 | 6.7 | 81 | -0.03 |
| 35 | | Caprolactam | 0.107 | 0.115 | -7.5 | 88 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.371 | 0.368 | 0.8 | 84 | -0.03 |
| 37 | | 2-Methylnaphthalene | 0.766 | 0.734 | 4.2 | 84 | -0.03 |
| 38 | | 1-Methylnaphthalene | 0.755 | 0.720 | 4.6 | 83 | -0.02 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 88 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.633 | 0.593 | 6.3 | 84 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 0.287 | 0.203 | 29.3# | 62 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 0.295 | 0.289 | 2.0 | 85 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 0.409 | 0.404 | 1.2 | 86 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 0.437 | 0.430 | 1.6 | 85 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.538 | 1.430 | 7.0 | 84 | -0.02 |
| 46 | | 1,1'-Biphenyl | 1.747 | 1.623 | 7.1 | 84 | -0.02 |
| 47 | | 2-Chloronaphthalene | 1.304 | 1.227 | 5.9 | 85 | -0.02 |
| 48 | | 2-Nitroaniline | 0.437 | 0.428 | 2.1 | 82 | -0.02 |
| 49 | | Acenaphthylene | 2.204 | 2.087 | 5.3 | 84 | -0.02 |
| 50 | | Dimethylphthalate | 1.711 | 1.615 | 5.6 | 85 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 0.370 | 0.361 | 2.4 | 85 | -0.02 |
| 52 | C | Acenaphthene | 1.267 | 1.184 | 6.6 | 84 | -0.02 |
| 53 | | 3-Nitroaniline | 0.392 | 0.364 | 7.1 | 83 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.215 | 0.172 | 20.0 | 70 | -0.02 |
| 55 | | Dibenzofuran | 2.043 | 1.913 | 6.4 | 85 | -0.02 |
| 56 | P | 4-Nitrophenol | 0.320 | 0.290 | 9.4 | 80 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.537 | 0.505 | 6.0 | 85 | -0.02 |
| 58 | | Fluorene | 1.684 | 1.583 | 6.0 | 84 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.407 | 0.391 | 3.9 | 84 | -0.02 |
| 60 | | Diethylphthalate | 1.733 | 1.648 | 4.9 | 85 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.818 | 0.774 | 5.4 | 85 | -0.02 |
| 62 | | 4-Nitroaniline | 0.395 | 0.365 | 7.6 | 83 | -0.02 |
| 63 | | Azobenzene | 1.823 | 1.738 | 4.7 | 84 | -0.02 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 90 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.131 | 0.114 | 13.0 | 77 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 0.637 | 0.609 | 4.4 | 86 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 0.221 | 0.213 | 3.6 | 87 | -0.02 |
| 68 | | Hexachlorobenzene | 0.262 | 0.251 | 4.2 | 87 | -0.02 |
| 69 | | Atrazine | 0.214 | 0.205 | 4.2 | 85 | -0.02 |
| 70 | C | Pentachlorophenol | 0.158 | 0.142 | 10.1 | 81 | -0.02 |
| 71 | | Phenanthrene | 1.172 | 1.088 | 7.2 | 85 | -0.02 |
| 72 | | Anthracene | 1.148 | 1.089 | 5.1 | 85 | -0.02 |
| 73 | | Carbazole | 1.083 | 1.006 | 7.1 | 83 | -0.02 |
| 74 | | Di-n-butylphthalate | 1.310 | 1.301 | 0.7 | 87 | -0.02 |
| 75 | C | Fluoranthene | 1.345 | 1.237 | 8.0 | 84 | -0.02 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 83 | -0.02 |
| 77 | | Benzidine | 0.567 | 0.453 | 20.1 | 65 | -0.02 |
| 78 | | Pyrene | 1.265 | 1.291 | -2.1 | 82 | -0.02 |
| 79 | S | Terphenyl-d14 | 1.007 | 1.048 | -4.1 | 84 | -0.02 |
| 80 | | Butylbenzylphthalate | 0.551 | 0.603 | -9.4 | 85 | -0.02 |
| 81 | | Benzo(a)anthracene | 1.255 | 1.167 | 7.0 | 78 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 0.483 | 0.457 | 5.4 | 77 | -0.02 |
| 83 | | Chrysene | 1.214 | 1.134 | 6.6 | 78 | -0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.802 | 0.880 | -9.7 | 87 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.350 | 1.389 | -2.9 | 85 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.307 | 1.084 | 17.1 | 78 | -0.04 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 80 | -0.03 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.296 | 1.215 | 6.2 | 76 | -0.02 |
| 89 | Benzo(k)fluoranthene | 1.192 | 1.164 | 2.3 | 76 | -0.02 |
| 90 C | Benzo(a)pyrene | 1.165 | 1.094 | 6.1 | 76 | -0.03 |
| 91 | Dibenzo(a,h)anthracene | 1.114 | 1.035 | 7.1 | 78 | -0.04 |
| 92 | Benzo(g,h,i)perylene | 1.023 | 0.973 | 4.9 | 80 | -0.04 |

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