# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\
Data File : BM018597.D
Acq On : 17 Jan 2019 00:02
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 17 02:33:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 10 05:57:41 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 | 126 | -0.02 |
| 2 | | 1,4-Dioxane | 0.441 | 0.371 | 15.9 | 106 | -0.01 |
| 3 | | Pyridine | 1.101 | 1.090 | 1.0 | 118 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 0.455 | 0.451 | 0.9 | 119 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.083 | 1.060 | 2.1 | 121 | -0.02 |
| 6 | | Aniline | 1.535 | 1.664 | -8.4 | 130 | -0.02 |
| 7 | S | Phenol-d6 | 1.376 | 1.424 | -3.5 | 127 | 0.00 |
| 8 | | 2-Chlorophenol | 1.265 | 1.292 | -2.1 | 126 | -0.01 |
| 9 | | Benzaldehyde | 0.770 | 0.752 | 2.3 | 122 | -0.01 |
| 10 | C | Phenol | 1.398 | 1.422 | -1.7 | 126 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.098 | 1.102 | -0.4 | 124 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.507 | 1.453 | 3.6 | 122 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.527 | 1.489 | 2.5 | 123 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.448 | 1.424 | 1.7 | 124 | -0.01 |
| 15 | | Benzyl Alcohol | 0.994 | 1.100 | -10.7 | 135 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.404 | 1.365 | 2.8 | 123 | 0.00 |
| 17 | | 2-Methylphenol | 0.949 | 1.008 | -6.2 | 129 | -0.02 |
| 18 | | Hexachloroethane | 0.544 | 0.525 | 3.5 | 122 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.895 | 0.911 | -1.8 | 125 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.310 | 1.413 | -7.9 | 131 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 132 | -0.01 |
| 22 | | Acetophenone | 0.495 | 0.475 | 4.0 | 126 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.345 | 0.334 | 3.2 | 125 | 0.00 |
| 24 | | Nitrobenzene | 0.339 | 0.327 | 3.5 | 125 | -0.01 |
| 25 | | Isophorone | 0.522 | 0.532 | -1.9 | 129 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.164 | 0.190 | -15.9 | 142 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.246 | 0.251 | -2.0 | 131 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.361 | 0.354 | 1.9 | 126 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.293 | 0.318 | -8.5 | 136 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.364 | 0.355 | 2.5 | 129 | -0.02 |
| 31 | | Naphthalene | 0.963 | 0.935 | 2.9 | 127 | -0.01 |
| 32 | | Benzoic acid | 0.150 | 0.216 | -44.0# | 183# | 0.00 |
| 33 | | 4-Chloroaniline | 0.379 | 0.420 | -10.8 | 137 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.230 | 0.227 | 1.3 | 131 | -0.02 |
| 35 | | Caprolactam | 0.100 | 0.110 | -10.0 | 138 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.307 | 0.327 | -6.5 | 132 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.681 | 0.671 | 1.5 | 129 | -0.02 |
| 38 | | 1-Methylnaphthalene | 0.658 | 0.651 | 1.1 | 128 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 135 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.699 | 0.693 | 0.9 | 133 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.384 | 0.205 | 46.6# | 69 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 0.255 | 0.282 | -10.6 | 141 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.425 | 0.463 | -8.9 | 140 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.447 | 0.491 | -9.8 | 141 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.533 | 1.466 | 4.4 | 129 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.746 | 1.659 | 5.0 | 128 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.354 | 1.309 | 3.3 | 131 | -0.01 |
| 48 | | 2-Nitroaniline | 0.333 | 0.350 | -5.1 | 134 | -0.01 |
| 49 | | Acenaphthylene | 1.973 | 1.943 | 1.5 | 131 | 0.00 |
| 50 | | Dimethylphthalate | 1.643 | 1.579 | 3.9 | 128 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.348 | 0.361 | -3.7 | 135 | 0.00 |
| 52 | C | Acenaphthene | 1.207 | 1.164 | 3.6 | 130 | 0.00 |
| 53 | | 3-Nitroaniline | 0.351 | 0.384 | -9.4 | 139 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.158 | 0.125 | 20.9 | 104 | 0.00 |
| 55 | | Dibenzofuran | 1.995 | 1.914 | 4.1 | 129 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.303 | 0.305 | -0.7 | 131 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.492 | 0.500 | -1.6 | 134 | -0.01 |
| 58 | | Fluorene | 1.486 | 1.457 | 2.0 | 131 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.396 | 0.418 | -5.6 | 137 | -0.01 |
| 60 | | Diethylphthalate | 1.658 | 1.644 | 0.8 | 130 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.857 | 0.835 | 2.6 | 131 | -0.01 |
| 62 | | 4-Nitroaniline | 0.383 | 0.382 | 0.3 | 129 | -0.01 |
| 63 | | Azobenzene | 1.352 | 1.340 | 0.9 | 130 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 136 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.118 | 0.097 | 17.8 | 111 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.620 | 0.614 | 1.0 | 132 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.226 | -0.9 | 136 | -0.01 |
| 68 | | Hexachlorobenzene | 0.251 | 0.250 | 0.4 | 136 | 0.00 |
| 69 | | Atrazine | 0.224 | 0.229 | -2.2 | 132 | 0.00 |
| 70 | C | Pentachlorophenol | 0.164 | 0.162 | 1.2 | 132 | -0.01 |
| 71 | | Phenanthrene | 1.064 | 1.018 | 4.3 | 130 | 0.00 |
| 72 | | Anthracene | 1.023 | 1.017 | 0.6 | 132 | -0.01 |
| 73 | | Carbazole | 1.051 | 1.042 | 0.9 | 131 | -0.01 |
| 74 | | Di-n-butylphthalate | 1.151 | 1.247 | -8.3 | 139 | -0.02 |
| 75 | C | Fluoranthene | 1.226 | 1.212 | 1.1 | 132 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 123 | -0.01 |
| 77 | | Benzidine | 0.494 | 0.503 | -1.8 | 108 | -0.01 |
| 78 | | Pyrene | 1.185 | 1.274 | -7.5 | 129 | -0.01 |
| 79 | S | Terphenyl-d14 | 0.949 | 1.020 | -7.5 | 128 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.506 | 0.602 | -19.0 | 145 | -0.02 |
| 81 | | Benzo(a)anthracene | 1.178 | 1.158 | 1.7 | 119 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.446 | 0.462 | -3.6 | 121 | -0.01 |
| 83 | | Chrysene | 1.138 | 1.093 | 4.0 | 118 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.730 | 0.861 | -17.9 | 143 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.229 | 1.419 | -15.5 | 139 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.312 | 0.888 | 32.3# | 82 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.135 | 1.188 | -4.7 | 102 | -0.01 |
| 89 | Benzo(k)fluoranthene | 1.144 | 1.153 | -0.8 | 95 | -0.01 |
| 90 C | Benzo(a)pyrene | 1.087 | 1.061 | 2.4 | 93 | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 1.101 | 0.947 | 14.0 | 83 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 1.072 | 0.912 | 14.9 | 82 | -0.02 |

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