# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\
Data File : BM019037.D
Acq On : 05 Mar 2019 14:40
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 06 06:05:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 05 03:36:13 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 | 83 | 0.00 |
| 2 | | 1,4-Dioxane | 0.532 | 0.523 | 1.7 | 81 | 0.00 |
| 3 | | Pyridine | 1.450 | 1.621 | -11.8 | 84 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.369 | 0.451 | -22.2 | 97 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.221 | 1.329 | -8.8 | 88 | 0.00 |
| 6 | | Aniline | 2.107 | 2.431 | -15.4 | 92 | 0.00 |
| 7 | S | Phenol-d6 | 1.720 | 1.978 | -15.0 | 92 | 0.00 |
| 8 | | 2-Chlorophenol | 1.340 | 1.554 | -16.0 | 94 | 0.00 |
| 9 | | Benzaldehyde | 0.941 | 1.087 | -15.5 | 96 | 0.00 |
| 10 | C | Phenol | 1.809 | 2.084 | -15.2 | 93 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.380 | 1.586 | -14.9 | 93 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.507 | 1.655 | -9.8 | 90 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.534 | 1.690 | -10.2 | 91 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.474 | 1.648 | -11.8 | 91 | 0.00 |
| 15 | | Benzyl Alcohol | 1.366 | 1.597 | -16.9 | 92 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.336 | 1.579 | -18.2 | 98 | 0.00 |
| 17 | | 2-Methylphenol | 1.152 | 1.348 | -17.0 | 94 | 0.00 |
| 18 | | Hexachloroethane | 0.560 | 0.633 | -13.0 | 92 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.331 | 1.576 | -18.4 | 94 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.590 | 1.873 | -17.8 | 94 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 22 | | Acetophenone | 0.549 | 0.588 | -7.1 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.433 | 0.464 | -7.2 | 93 | 0.00 |
| 24 | | Nitrobenzene | 0.449 | 0.476 | -6.0 | 92 | 0.00 |
| 25 | | Isophorone | 0.690 | 0.799 | -15.8 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.205 | -14.5 | 97 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.261 | 0.290 | -11.1 | 97 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.446 | 0.497 | -11.4 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.300 | 0.332 | -10.7 | 94 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.346 | 0.366 | -5.8 | 94 | 0.00 |
| 31 | | Naphthalene | 0.975 | 1.066 | -9.3 | 97 | 0.00 |
| 32 | | Benzoic acid | 0.228 | 0.251 | -10.1 | 96 | -0.01 |
| 33 | | 4-Chloroaniline | 0.436 | 0.472 | -8.3 | 93 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.201 | 0.211 | -5.0 | 93 | 0.00 |
| 35 | | Caprolactam | 0.122 | 0.117 | 4.1 | 81 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.362 | 0.389 | -7.5 | 92 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.687 | 0.761 | -10.8 | 97 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.672 | 0.741 | -10.3 | 98 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.640 | 0.678 | -5.9 | 93 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.327 | 0.331 | -1.2 | 88 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.288 | 0.298 | -3.5 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.424 | 0.450 | -6.1 | 90 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.444 | 0.472 | -6.3 | 90 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.507 | 1.627 | -8.0 | 95 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.722 | 1.849 | -7.4 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.330 | 1.403 | -5.5 | 93 | 0.00 |
| 48 | | 2-Nitroaniline | 0.442 | 0.473 | -7.0 | 89 | 0.00 |
| 49 | | Acenaphthylene | 1.980 | 2.175 | -9.8 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 1.667 | 1.706 | -2.3 | 90 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.361 | 0.383 | -6.1 | 89 | 0.00 |
| 52 | C | Acenaphthene | 1.214 | 1.270 | -4.6 | 92 | 0.00 |
| 53 | | 3-Nitroaniline | 0.408 | 0.396 | 2.9 | 84 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.200 | 0.203 | -1.5 | 88 | 0.00 |
| 55 | | Dibenzofuran | 1.995 | 2.073 | -3.9 | 92 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.326 | 0.300 | 8.0 | 79 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.497 | 0.513 | -3.2 | 86 | 0.00 |
| 58 | | Fluorene | 1.527 | 1.608 | -5.3 | 93 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.392 | 0.391 | 0.3 | 85 | 0.00 |
| 60 | | Diethylphthalate | 1.719 | 1.703 | 0.9 | 87 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.856 | 0.849 | 0.8 | 87 | 0.00 |
| 62 | | 4-Nitroaniline | 0.400 | 0.373 | 6.8 | 80 | 0.00 |
| 63 | | Azobenzene | 1.844 | 1.883 | -2.1 | 88 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.140 | 0.145 | -3.6 | 81 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.632 | 0.707 | -11.9 | 87 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.244 | -8.9 | 85 | 0.00 |
| 68 | | Hexachlorobenzene | 0.260 | 0.281 | -8.1 | 86 | 0.00 |
| 69 | | Atrazine | 0.204 | 0.203 | 0.5 | 77 | 0.00 |
| 70 | C | Pentachlorophenol | 0.168 | 0.164 | 2.4 | 73 | 0.00 |
| 71 | | Phenanthrene | 1.075 | 1.142 | -6.2 | 85 | 0.00 |
| 72 | | Anthracene | 1.046 | 1.124 | -7.5 | 84 | 0.00 |
| 73 | | Carbazole | 1.093 | 1.084 | 0.8 | 77 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.257 | 1.267 | -0.8 | 77 | 0.00 |
| 75 | C | Fluoranthene | 1.242 | 1.165 | 6.2 | 73 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 58 | 0.00 |
| 77 | | Benzidine | 0.450 | 0.561 | -24.7 | 59 | 0.00 |
| 78 | | Pyrene | 1.162 | 1.455 | -25.2# | 72 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.970 | 1.158 | -19.4 | 67 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.529 | 0.609 | -15.1 | 63 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.166 | 1.260 | -8.1 | 62 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.461 | 0.482 | -4.6 | 58 | 0.00 |
| 83 | | Chrysene | 1.117 | 1.205 | -7.9 | 62 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.775 | 0.852 | -9.9 | 61 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.302 | 1.350 | -3.7 | 57 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.290 | 1.396 | -8.2 | 57 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 53 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.144 | 1.264 | -10.5 | 59 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.139 | 1.192 | -4.7 | 56 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.084 | 1.170 | -7.9 | 57 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.074 | 1.220 | -13.6 | 57 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 1.000 | 1.156 | -15.6 | 57 | -0.01 |

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