# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF092518\
Data File : BF109308.D
Acq On : 26 Sep 2018 1:40
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Sep 26 08:05:09 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
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 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 0.559 | 0.560 | -0.2 | 105 | -0.01 |
| 3 | | Pyridine | 1.439 | 1.581 | -9.9 | 109 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.613 | 0.604 | 1.5 | 101 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.214 | 1.243 | -2.4 | 109 | 0.00 |
| 6 | | Aniline | 1.982 | 1.929 | 2.7 | 102 | -0.01 |
| 7 | S | Phenol-d6 | 1.549 | 1.556 | -0.5 | 107 | 0.00 |
| 8 | | 2-Chlorophenol | 1.350 | 1.365 | -1.1 | 107 | 0.00 |
| 9 | | Benzaldehyde | 0.995 | 0.981 | 1.4 | 106 | 0.00 |
| 10 | C | Phenol | 1.755 | 1.708 | 2.7 | 104 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.373 | 1.336 | 2.7 | 105 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.555 | 1.546 | 0.6 | 106 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.566 | 1.557 | 0.6 | 106 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.445 | 1.417 | 1.9 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 1.186 | 1.183 | 0.3 | 105 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.948 | 1.821 | 6.5 | 100 | 0.00 |
| 17 | | 2-Methylphenol | 1.093 | 1.065 | 2.6 | 105 | 0.00 |
| 18 | | Hexachloroethane | 0.552 | 0.469 | 15.0 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.015 | 0.961 | 5.3 | 102 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.319 | 1.285 | 2.6 | 106 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 0.462 | 0.449 | 2.8 | 103 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.339 | 0.360 | -6.2 | 106 | 0.00 |
| 24 | | Nitrobenzene | 0.360 | 0.370 | -2.8 | 105 | 0.00 |
| 25 | | Isophorone | 0.610 | 0.587 | 3.8 | 100 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.142 | 0.156 | -9.9 | 108 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.266 | 0.270 | -1.5 | 103 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.404 | 0.395 | 2.2 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.279 | 0.280 | -0.4 | 101 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.312 | 0.305 | 2.2 | 102 | 0.00 |
| 31 | | Naphthalene | 0.935 | 0.908 | 2.9 | 101 | 0.00 |
| 32 | | Benzoic acid | 0.163 | 0.147 | 9.8 | 89 | -0.06 |
| 33 | | 4-Chloroaniline | 0.408 | 0.407 | 0.2 | 104 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.188 | 0.186 | 1.1 | 102 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.088 | 1.1 | 99 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.294 | 0.283 | 3.7 | 98 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.602 | 0.572 | 5.0 | 100 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.637 | 0.703 | -10.4 | 102 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.278 | 0.031# | 88.8# | 10# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.197 | 0.181 | 8.1 | 82 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.409 | 0.436 | -6.6 | 95 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.431 | 0.427 | 0.9 | 88 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.326 | 1.442 | -8.7 | 100 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.630 | 1.728 | -6.0 | 98 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.302 | 1.340 | -2.9 | 97 | 0.00 |
| 47 | | 2-Nitroaniline | 0.369 | 0.413 | -11.9 | 99 | 0.00 |
| 48 | | Acenaphthylene | 1.964 | 1.930 | 1.7 | 91 | 0.00 |
| 49 | | Dimethylphthalate | 1.455 | 1.521 | -4.5 | 97 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.288 | 0.308 | -6.9 | 91 | 0.00 |
| 51 | C | Acenaphthene | 1.187 | 1.135 | 4.4 | 88 | 0.00 |
| 52 | | 3-Nitroaniline | 0.334 | 0.373 | -11.7 | 96 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.082 | 0.006# | 92.7# | 6# | 0.00 |
| 54 | | Dibenzofuran | 1.766 | 1.698 | 3.9 | 90 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.251 | 0.207 | 17.5 | 74 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.365 | 0.364 | 0.3 | 88 | -0.01 |
| 57 | | Fluorene | 1.260 | 1.144 | 9.2 | 87 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.342 | 0.304 | 11.1 | 80 | 0.00 |
| 59 | | Diethylphthalate | 1.473 | 1.451 | 1.5 | 91 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.658 | 0.635 | 3.5 | 93 | 0.00 |
| 61 | | 4-Nitroaniline | 0.325 | 0.338 | -4.0 | 90 | -0.02 |
| 62 | | Azobenzene | 1.530 | 1.348 | 11.9 | 82 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.072 | 0.011 | 84.7# | 11# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.661 | 0.737 | -11.5 | 86 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.222 | 0.243 | -9.5 | 84 | 0.00 |
| 67 | | Hexachlorobenzene | 0.236 | 0.247 | -4.7 | 81 | 0.00 |
| 68 | | Atrazine | 0.203 | 0.214 | -5.4 | 80 | 0.00 |
| 69 | C | Pentachlorophenol | 0.141 | 0.132 | 6.4 | 68 | 0.00 |
| 70 | | Phenanthrene | 0.999 | 1.006 | -0.7 | 78 | 0.00 |
| 71 | | Anthracene | 1.013 | 1.008 | 0.5 | 77 | 0.00 |
| 72 | | Carbazole | 1.008 | 0.984 | 2.4 | 76 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.160 | 1.189 | -2.5 | 78 | 0.00 |
| 74 | C | Fluoranthene | 1.067 | 1.050 | 1.6 | 76 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 76 | | Benzidine | 0.721 | 0.952 | -32.0# | 103 | 0.00 |
| 77 | | Pyrene | 1.433 | 1.366 | 4.7 | 77 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.815 | 0.792 | 2.8 | 80 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.610 | 0.622 | -2.0 | 80 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.205 | 1.135 | 5.8 | 76 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.458 | 0.495 | -8.1 | 84 | 0.00 |
| 82 | | Chrysene | 1.194 | 1.146 | 4.0 | 77 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.769 | 0.786 | -2.2 | 81 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.315 | 1.430 | -8.7 | 83 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.968 | 0.782 | 19.2 | 69 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 64 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.099 | 1.143 | -4.0 | 66 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.043 | 1.100 | -5.5 | 68 | 0.00 |
| 89 C | Benzo(a)pyrene | 0.990 | 0.988 | 0.2 | 64 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.812 | 0.838 | -3.2 | 70 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.798 | 0.825 | -3.4 | 71 | 0.00 |

(#) = Out of Range SPCC's out = 2 CCC's out = 0