# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF072316\
Data File : BF089268.D
Acq On : 24 Jul 2016 9:06
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 25 05:29:04 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 101 | 0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 35.308 | 11.7 | 89 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.962 | 7.6 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 33.578 | 16.1 | 84 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.875 | 6.4 | 96 | 0.01 |
| 6 | | Aniline | 40.000 | 34.843 | 12.9 | 92 | 0.01 |
| 7 | S | Phenol-d6 | 80.000 | 72.274 | 9.7 | 94 | 0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 39.190 | 2.0 | 103 | 0.01 |
| 9 | | Benzaldehyde | 40.000 | 31.760 | 20.6 | 86 | 0.01 |
| 10 | C | Phenol | 40.000 | 37.028 | 7.4 | 93 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.242 | -0.6 | 101 | 0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 35.637 | 10.9 | 97 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.549 | 3.6 | 104 | 0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.084 | -0.2 | 100 | 0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 34.994 | 12.5 | 87 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.104 | 2.2 | 101 | 0.01 |
| 17 | | 2-Methylphenol | 40.000 | 34.737 | 13.2 | 89 | 0.02 |
| 18 | | Hexachloroethane | 40.000 | 33.962 | 15.1 | 91 | 0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.966 | 2.6 | 97 | 0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 35.123 | 12.2 | 88 | 0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 96 | 0.02 |
| 22 | | Acetophenone | 40.000 | 40.204 | -0.5 | 95 | 0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.130 | 2.3 | 97 | 0.01 |
| 24 | | Nitrobenzene | 40.000 | 41.206 | -3.0 | 96 | 0.01 |
| 25 | | Isophorone | 40.000 | 39.385 | 1.5 | 96 | 0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 35.558 | 11.1 | 89 | 0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.720 | 8.2 | 94 | 0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.962 | -2.4 | 93 | 0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.586 | 1.0 | 96 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.359 | -0.9 | 97 | 0.01 |
| 31 | | Naphthalene | 40.000 | 35.236 | 11.9 | 90 | 0.01 |
| 32 | | Benzoic acid | 40.000 | 27.884 | 30.3# | 65 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 38.630 | 3.4 | 93 | 0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.329 | 1.7 | 94 | 0.01 |
| 35 | | Caprolactam | 40.000 | 33.889 | 15.3 | 82 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.956 | 2.6 | 96 | 0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.496 | 3.8 | 92 | 0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.152 | -5.4 | 94 | 0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 13.112 | 67.2# | 13 | 0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 68.372 | 14.5 | 74 | 0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.357 | 1.6 | 79 | 0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.098 | -0.2 | 81 | 0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 91.087 | -13.9 | 90 | 0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.260 | -3.1 | 94 | 0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.667 | -1.7 | 89 | 0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 38.918 | 2.7 | 86 | 0.02 |
| 48 | | Acenaphthylene | 40.000 | 40.266 | -0.7 | 88 | 0.01 |
| 49 | | Dimethylphthalate | 40.000 | 44.110 | -10.3 | 88 | 0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.404 | -1.0 | 79 | 0.01 |
| 51 | C | Acenaphthene | 40.000 | 40.195 | -0.5 | 87 | 0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 37.973 | 5.1 | 74 | 0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 11.848 | 70.4# | 9 | 0.03 |
| 54 | | Dibenzofuran | 40.000 | 40.056 | -0.1 | 85 | 0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 29.238 | 26.9# | 56 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 36.366 | 9.1 | 76 | 0.01 |
| 57 | | Fluorene | 40.000 | 38.868 | 2.8 | 75 | 0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.951 | 5.1 | 75 | 0.01 |
| 59 | | Diethylphthalate | 40.000 | 41.047 | -2.6 | 89 | 0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.486 | -1.2 | 88 | 0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 35.946 | 10.1 | 76 | 0.01 |
| 62 | | Azobenzene | 40.000 | 36.965 | 7.6 | 83 | 0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 66 | 0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 9.400 | 76.5# | 15 | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 45.177 | -12.9 | 80 | 0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 46.223 | -15.6 | 77 | 0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.800 | 3.0 | 68 | 0.02 |
| 68 | | Atrazine | 40.000 | 41.928 | -4.8 | 69 | 0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 35.466 | 11.3 | 56 | 0.01 |
| 70 | | Phenanthrene | 40.000 | 38.488 | 3.8 | 68 | 0.01 |
| 71 | | Anthracene | 40.000 | 39.423 | 1.4 | 64 | 0.02 |
| 72 | | Carbazole | 40.000 | 37.765 | 5.6 | 59 | 0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.603 | -6.5 | 77 | 0.02 |
| 74 | C | Fluoranthene | 40.000 | 33.390 | 16.5 | 60 | 0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 63 | 0.01 |
| 76 | | Benzidine | 40.000 | 37.512 | 6.2 | 59 | 0.01 |
| 77 | | Pyrene | 40.000 | 35.547 | 11.1 | 55 | 0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 68.881 | 13.9 | 60 | 0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 36.912 | 7.7 | 58 | 0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 36.710 | 8.2 | 60 | 0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.631 | -11.6 | 63 | 0.01 |
| 82 | | Chrysene | 40.000 | 41.922 | -4.8 | 64 | 0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.582 | 1.0 | 65 | 0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 44.048 | -10.1 | 71 | 0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 46.128 | -15.3 | 73 | 0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 71 | 0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.884 | 7.8 | 58 | 0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 42.941 | -7.4 | 93 | 0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.541 | -1.4 | 75 | 0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.980 | -2.4 | 75 | 0.05 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.369 | 6.6 | 69 | 0.03 |

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