# Evaluate Continuing Calibration Report

Data Path : U:\HPCHEM1\BNA F\Data\BF020318\
Data File : BF102714.D
Acq On : 3 Feb 2018 13:36
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 05 01:29:10 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 00:38:27 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.720 | 8.2 | 89 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.708 | 5.7 | 90 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.460 | 8.8 | 88 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 73.051 | 8.7 | 91 | 0.00 |
| 6 | | Aniline | 40.000 | 36.443 | 8.9 | 91 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 72.796 | 9.0 | 91 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.318 | 6.7 | 93 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.141 | 7.1 | 92 | 0.00 |
| 10 | C | Phenol | 40.000 | 35.561 | 11.1 | 90 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.714 | 8.2 | 92 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.853 | 7.9 | 92 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.977 | 7.6 | 93 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.911 | 7.7 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.910 | 5.2 | 92 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.101 | 7.2 | 91 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.124 | 7.2 | 93 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.286 | 4.3 | 93 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.348 | 9.1 | 93 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.550 | 6.1 | 92 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 22 | | Acetophenone | 40.000 | 35.812 | 10.5 | 93 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.402 | -0.5 | 97 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.225 | 1.9 | 96 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.246 | 9.4 | 93 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.650 | -1.6 | 111 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.663 | 5.8 | 94 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.564 | 8.6 | 93 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.400 | 4.0 | 94 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.725 | 8.2 | 94 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.337 | 9.2 | 93 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.073 | -2.7 | 110 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 36.180 | 9.6 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.837 | 7.9 | 93 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.224 | 1.9 | 96 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.310 | 6.7 | 92 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.228 | 9.4 | 93 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.404 | 9.0 | 94 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 40.455 | -1.1 | 96 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.185 | -1.5 | 98 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.157 | -0.4 | 99 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.257 | 1.9 | 94 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 74.053 | 7.4 | 94 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.238 | 9.4 | 95 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.176 | 9.6 | 93 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 39.988 | 0.0 | 103 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 36.464 | 8.8 | 95 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 37.058 | 7.4 | 97 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.139 | -2.8 | 100 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.612 | 8.5 | 96 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 40.621 | -1.6 | 100 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 44.545 | -11.4 | 135 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.636 | 8.4 | 96 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 39.402 | 1.5 | 102 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.853 | 0.4 | 103 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.575 | 6.1 | 96 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.897 | 0.3 | 97 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 37.302 | 6.7 | 96 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.264 | 4.3 | 98 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 40.672 | -1.7 | 102 | 0.00 |
| 62 | | Azobenzene | 40.000 | 36.544 | 8.6 | 95 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.952 | -4.9 | 120 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.524 | 8.7 | 96 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.023 | 7.4 | 98 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 36.494 | 8.8 | 96 | 0.00 |
| 68 | | Atrazine | 40.000 | 37.193 | 7.0 | 95 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 40.274 | -0.7 | 100 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 35.772 | 10.6 | 95 | 0.00 |
| 71 | | Anthracene | 40.000 | 36.017 | 10.0 | 96 | 0.00 |
| 72 | | Carbazole | 40.000 | 36.092 | 9.8 | 96 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.725 | 5.7 | 98 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 36.209 | 9.5 | 97 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 76 | | Benzidine | 40.000 | 36.838 | 7.9 | 94 | 0.00 |
| 77 | | Pyrene | 40.000 | 36.029 | 9.9 | 98 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 69.519 | 13.1 | 97 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.314 | 4.2 | 103 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 36.264 | 9.3 | 101 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.154 | 2.1 | 102 | 0.00 |
| 82 | | Chrysene | 40.000 | 36.278 | 9.3 | 101 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.422 | 1.4 | 105 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.128 | -5.3 | 111 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.499 | -1.2 | 119 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 125 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 35.164 | 12.1 | 108 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.844 | 10.4 | 111 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 36.033 | 9.9 | 112 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.869 | 5.3 | 120 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.613 | 6.0 | 120 | 0.00 |

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