# Evaluate Continuing Calibration Report

Data Path : U:\HPCHEM1\BNA F\Data\BF011518\
Data File : BF102063.D
Acq On : 15 Jan 2018 15:23
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 15 17:29:23 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 11 12:53:54 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 | 88 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.386 | 9.0 | 81 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.267 | 9.3 | 79 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.065 | 12.3 | 76 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 72.871 | 8.9 | 81 | 0.00 |
| 6 | | Aniline | 40.000 | 36.208 | 9.5 | 79 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 73.119 | 8.6 | 82 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.782 | 5.5 | 82 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 33.836 | 15.4 | 74 | 0.00 |
| 10 | C | Phenol | 40.000 | 35.996 | 10.0 | 78 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.893 | 7.8 | 82 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.764 | 5.6 | 84 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.034 | 4.9 | 85 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.951 | 5.1 | 84 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.377 | 6.6 | 82 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.083 | 12.3 | 76 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 37.627 | 5.9 | 83 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.833 | 2.9 | 85 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 34.832 | 12.9 | 78 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 35.999 | 10.0 | 80 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 22 | | Acetophenone | 40.000 | 35.806 | 10.5 | 81 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.444 | 0.7 | 85 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.829 | 2.9 | 84 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.712 | 8.2 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 49.003 | -22.5# | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.015 | 5.0 | 84 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.832 | 7.9 | 82 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.275 | 1.8 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.887 | 2.8 | 86 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.562 | 6.1 | 84 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 48.490 | -21.2 | 95 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.527 | 3.7 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.237 | 1.9 | 87 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.605 | 1.0 | 85 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.425 | 3.9 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.653 | 5.9 | 84 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.439 | 3.9 | 89 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 42.422 | -6.1 | 93 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.295 | -4.1 | 94 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.386 | -1.0 | 91 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.377 | 1.6 | 87 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 75.666 | 5.4 | 85 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.493 | 8.8 | 84 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.777 | 5.6 | 87 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 43.132 | -7.8 | 90 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 36.577 | 8.6 | 84 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 37.395 | 6.5 | 86 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.993 | -5.0 | 89 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 35.637 | 10.9 | 83 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 41.349 | -3.4 | 89 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 56.136 | -40.3# | 145 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.466 | 8.8 | 84 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.515 | -3.8 | 88 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.588 | -9.0 | 91 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.601 | 1.0 | 89 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.541 | -1.4 | 90 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.675 | 8.3 | 85 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.374 | 1.6 | 89 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 43.630 | -9.1 | 94 | 0.00 |
| 62 | | Azobenzene | 40.000 | 35.419 | 11.5 | 82 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 50.982 | -27.5# | 121 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.694 | 8.3 | 88 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.938 | 5.2 | 88 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 38.902 | 2.7 | 90 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.212 | 2.0 | 90 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 42.046 | -5.1 | 91 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 37.003 | 7.5 | 88 | 0.00 |
| 71 | | Anthracene | 40.000 | 36.996 | 7.5 | 88 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.191 | 7.0 | 88 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 36.683 | 8.3 | 85 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.879 | 5.3 | 91 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 76 | | Benzidine | 40.000 | 34.593 | 13.5 | 91 | 0.00 |
| 77 | | Pyrene | 40.000 | 34.164 | 14.6 | 91 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 66.139 | 17.3 | 91 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 35.765 | 10.6 | 91 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 35.350 | 11.6 | 97 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 37.860 | 5.4 | 101 | 0.00 |
| 82 | | Chrysene | 40.000 | 35.627 | 10.9 | 96 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.276 | 11.8 | 93 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 35.566 | 11.1 | 93 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 35.997 | 10.0 | 101 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.200 | 2.0 | 104 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.916 | 10.2 | 104 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.507 | 3.7 | 108 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.459 | 8.9 | 100 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 35.829 | 10.4 | 100 | -0.01 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1