# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF032318\
Data File : BF103893.D
Acq On : 23 Mar 2018 21:52
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 24 03:44:50 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 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 | 83 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.865 | 7.8 | 75 | -0.03 |
| 3 | | Pyridine | 40.000 | 36.285 | 9.3 | 75 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 31.499 | 21.3 | 65 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 76.802 | 4.0 | 79 | 0.00 |
| 6 | | Aniline | 40.000 | 36.860 | 7.9 | 75 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.333 | 5.8 | 78 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.950 | 2.6 | 79 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.227 | 14.4 | 71 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.255 | 6.9 | 77 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.988 | 7.5 | 77 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.452 | 3.9 | 80 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.640 | 3.4 | 80 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.715 | 3.2 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 34.607 | 13.5 | 71 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.106 | 14.7 | 71 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.566 | 6.1 | 77 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 26.415 | 34.0# | 54 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.078 | 12.3 | 73 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.125 | 7.2 | 76 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 76 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.939 | 5.2 | 73 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 93.463 | -16.8 | 85 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.497 | -6.2 | 78 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.336 | 9.2 | 71 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.229 | -0.6 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.123 | 2.2 | 75 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.821 | 2.9 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.605 | -1.5 | 75 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.973 | 0.1 | 77 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.850 | 5.4 | 74 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.052 | 14.9 | 67 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 38.495 | 3.8 | 73 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.255 | -0.6 | 77 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.790 | 3.0 | 73 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.515 | 6.2 | 70 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.286 | 6.8 | 72 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 67 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 44.329 | -10.8 | 74 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 1.545 | 96.1# | 2 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.960 | -4.9 | 65 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.354 | -8.4 | 69 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.851 | -7.1 | 68 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 87.218 | -9.0 | 75 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 42.796 | -7.0 | 72 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.915 | -2.3 | 69 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 48.843 | -22.1 | 86 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.881 | 2.8 | 66 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 43.664 | -9.2 | 73 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.592 | 1.0 | 66 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.266 | 4.3 | 64 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 48.529 | -21.3 | 81 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 8.894 | 77.8# | 3 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.362 | 4.1 | 65 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.764 | 13.1 | 57 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.789 | 10.5 | 59 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.675 | 5.8 | 64 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.006 | 2.5 | 61 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.321 | -0.8 | 67 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.077 | -0.2 | 68 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 47.701 | -19.3 | 80 | 0.00 |
| 62 | | Azobenzene | 40.000 | 33.226 | 16.9 | 56 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 57 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 11.390 | 71.5# | 5 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 44.645 | -11.6 | 64 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 45.077 | -12.7 | 64 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 42.456 | -6.1 | 61 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.139 | -0.3 | 57 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 36.004 | 10.0 | 48 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.163 | -0.4 | 58 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.435 | -1.1 | 58 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.427 | 1.4 | 56 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.055 | -7.6 | 61 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 40.154 | -0.4 | 57 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 56 | 0.00 |
| 76 | | Benzidine | 40.000 | 40.830 | -2.1 | 56 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.728 | 0.7 | 57 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 83.223 | -4.0 | 60 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.198 | -10.5 | 60 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.191 | 2.0 | 55 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.894 | -12.2 | 59 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.201 | 2.0 | 56 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.518 | -8.8 | 58 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 47.200 | -18.0 | 60 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 34.041 | 14.9 | 47 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 46 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.368 | -3.4 | 49 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.055 | -2.6 | 47 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.997 | 0.0 | 46 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.452 | -1.1 | 47 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.336 | 1.7 | 47 | 0.00 |

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