# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119312.D
Acq On : 10 Mar 2020 12:31
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 11 01:53:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 06 23:38:46 2020
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 | 62 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.812 | 5.5 | 62 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.377 | 6.6 | 61 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.743 | 0.6 | 65 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.970 | -2.5 | 65 | 0.00 |
| 6 | | Aniline | 40.000 | 39.881 | 0.3 | 63 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.206 | -1.5 | 65 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.030 | -2.6 | 65 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.562 | 13.6 | 55 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.966 | -2.4 | 66 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.268 | -0.7 | 65 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.428 | -1.1 | 65 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.962 | -2.4 | 66 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.464 | -3.7 | 66 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.601 | -6.5 | 67 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.946 | 0.1 | 65 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.592 | -4.0 | 67 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.934 | -2.3 | 66 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.978 | -9.9 | 72 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.434 | -11.1 | 73 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 65 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.127 | -2.8 | 71 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.290 | -0.4 | 69 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.552 | -3.9 | 72 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.467 | 1.3 | 69 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.220 | 2.0 | 68 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.509 | 3.7 | 67 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.392 | 4.0 | 66 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.375 | 1.6 | 67 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.373 | 4.1 | 66 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.610 | 1.0 | 68 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 33.950 | 15.1 | 59 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.273 | -0.7 | 69 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.315 | 1.7 | 68 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.446 | -1.1 | 69 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.004 | -2.5 | 70 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.141 | 2.1 | 67 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.584 | 1.0 | 67 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 66 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.408 | 4.0 | 68 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 35.147 | 12.1 | 64 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 76.489 | 4.4 | 68 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 36.717 | 8.2 | 65 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 33.931 | 15.2 | 60 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 77.215 | 3.5 | 70 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.282 | 1.8 | 69 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.222 | 1.9 | 69 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.853 | -4.6 | 74 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.580 | 3.6 | 67 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.038 | 2.4 | 70 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.885 | 2.8 | 69 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.129 | 2.2 | 68 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.675 | 0.8 | 69 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 36.206 | 9.5 | 65 | 0.01 |
| 55 | | Dibenzofuran | 40.000 | 39.041 | 2.4 | 67 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 35.845 | 10.4 | 62 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.142 | 2.1 | 67 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.117 | -2.8 | 71 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.042 | 12.4 | 63 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.412 | -1.0 | 71 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.928 | -2.3 | 71 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.982 | 5.0 | 66 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.895 | -2.2 | 72 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 68 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.943 | 7.6 | 67 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.775 | 3.1 | 70 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.470 | 3.8 | 70 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.651 | 3.4 | 70 | 0.00 |
| 69 | | Atrazine | 40.000 | 34.998 | 12.5 | 64 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 37.470 | 6.3 | 69 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.292 | 1.8 | 71 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.715 | 0.7 | 70 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.111 | -0.3 | 72 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.122 | -2.8 | 74 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.898 | 0.3 | 71 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 67 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.408 | 4.0 | 66 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.507 | 3.7 | 70 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 80.440 | -0.5 | 74 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.672 | -1.7 | 73 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.085 | -0.2 | 71 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.797 | 0.5 | 67 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.297 | 1.8 | 70 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.698 | -9.2 | 78 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 44.121 | -10.3 | 74 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 34.102 | 14.7 | 47 | 0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 44 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 42.361 | -5.9 | 71 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.681 | 0.8 | 61 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 39.205 | 2.0 | 47 | 0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 36.991 | 7.5 | 47 | 0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 35.115 | 12.2 | 45 | 0.02 |

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