# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF101019\
Data File : BF117360.D
Acq On : 10 Oct 2019 15:18
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 11 05:32:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:26:00 2019
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 | 40.981 | -2.5 | 67 | -0.02 |
| 3 | | Pyridine | 40.000 | 38.318 | 4.2 | 61 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.974 | 0.1 | 66 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 85.329 | -6.7 | 68 | 0.00 |
| 6 | | Aniline | 40.000 | 41.470 | -3.7 | 67 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 85.064 | -6.3 | 69 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.990 | -5.0 | 68 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 45.245 | -13.1 | 66 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.095 | -2.7 | 67 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.026 | -2.6 | 68 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.331 | -3.3 | 67 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.649 | -4.1 | 67 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.533 | -6.3 | 69 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.893 | -4.7 | 67 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.038 | -10.1 | 72 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.221 | -5.6 | 70 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.385 | -3.5 | 67 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.474 | -11.2 | 74 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.835 | -9.6 | 72 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 65 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.514 | -3.8 | 72 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.662 | -3.3 | 70 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.006 | -5.0 | 71 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.026 | -2.6 | 72 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.370 | -10.9 | 74 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.412 | -3.5 | 71 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.932 | -2.3 | 71 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.972 | -4.9 | 70 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.185 | -0.5 | 68 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.417 | -3.5 | 70 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.026 | 14.9 | 60 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 41.540 | -3.8 | 70 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.906 | -2.3 | 69 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.015 | 2.5 | 67 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.288 | -3.2 | 71 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.260 | -5.6 | 72 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.353 | -5.9 | 72 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 65 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.302 | -5.8 | 72 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.822 | 2.9 | 72 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.345 | -4.2 | 70 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.314 | -0.8 | 68 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 37.734 | 5.7 | 65 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 86.892 | -8.6 | 74 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 42.268 | -5.7 | 72 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.942 | -4.9 | 71 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 42.723 | -6.8 | 73 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.542 | -3.9 | 70 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.694 | -4.2 | 71 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.312 | -8.3 | 73 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 42.792 | -7.0 | 72 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.151 | -5.4 | 71 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 45.072 | -12.7 | 88 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.342 | -5.9 | 72 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.495 | -3.7 | 69 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 45.139 | -12.8 | 75 | 0.00 |
| 58 | | Fluorene | 40.000 | 43.377 | -8.4 | 73 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.247 | -0.6 | 66 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 42.673 | -6.7 | 72 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 44.465 | -11.2 | 74 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.693 | 3.3 | 65 | 0.00 |
| 63 | | Azobenzene | 40.000 | 42.256 | -5.6 | 71 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 64 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.218 | -13.0 | 84 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 42.326 | -5.8 | 73 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.921 | -4.8 | 72 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.741 | -1.9 | 71 | 0.00 |
| 69 | | Atrazine | 40.000 | 34.397 | 14.0 | 58 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 43.666 | -9.2 | 74 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.731 | -4.3 | 71 | 0.00 |
| 72 | | Anthracene | 40.000 | 42.138 | -5.3 | 71 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.688 | -1.7 | 68 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 44.296 | -10.7 | 74 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.160 | -2.9 | 69 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 60 | 0.00 |
| 77 | | Benzidine | 40.000 | 35.306 | 11.7 | 55 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.830 | -4.6 | 70 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 88.291 | -10.4 | 73 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.501 | -6.3 | 70 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.087 | -2.7 | 66 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.547 | -1.4 | 65 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.676 | -4.2 | 67 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.310 | -10.8 | 73 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.278 | -5.7 | 68 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.991 | 2.5 | 70 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 55 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 42.683 | -6.7 | 65 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.647 | -4.1 | 59 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.678 | -4.2 | 61 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 43.690 | -9.2 | 71 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 42.008 | -5.0 | 69 | 0.00 |

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