# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF121318\
Data File : BF111359.D
Acq On : 13 Dec 2018 9:51
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 14 10:07:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 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 | 78 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.707 | 0.7 | 79 | -0.01 |
| 3 | | Pyridine | 40.000 | 42.876 | -7.2 | 78 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.549 | -3.9 | 79 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.854 | -3.6 | 79 | 0.00 |
| 6 | | Aniline | 40.000 | 43.515 | -8.8 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.003 | -1.3 | 79 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.905 | 0.2 | 78 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.248 | 1.9 | 78 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.697 | -1.7 | 80 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.668 | 0.8 | 77 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.773 | 0.6 | 77 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.889 | 0.3 | 78 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.134 | -0.3 | 79 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.813 | -2.0 | 79 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.028 | -0.1 | 77 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.875 | -2.2 | 79 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.268 | 1.8 | 75 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.078 | 2.3 | 77 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.578 | 1.1 | 79 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.907 | 2.7 | 79 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.991 | -2.5 | 80 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.797 | 0.5 | 78 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.295 | 1.8 | 78 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.260 | -5.6 | 80 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.312 | -0.8 | 80 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.474 | 1.3 | 78 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.244 | -0.6 | 79 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.768 | 0.6 | 79 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.726 | 0.7 | 80 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.149 | -2.9 | 80 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.002 | -5.0 | 79 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.789 | 0.5 | 79 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.360 | -0.9 | 79 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.956 | 0.1 | 79 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.734 | 0.7 | 80 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.397 | 1.5 | 80 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.207 | 2.0 | 78 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.706 | -1.8 | 77 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.636 | -0.8 | 81 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.665 | -1.7 | 80 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.478 | -1.2 | 78 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 83.680 | -4.6 | 84 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.794 | 0.5 | 81 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.281 | -0.7 | 81 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.410 | -3.5 | 80 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.679 | 0.8 | 80 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.487 | 1.3 | 80 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.171 | -2.9 | 80 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.296 | -0.7 | 81 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.198 | -5.5 | 83 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.894 | -7.2 | 84 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.943 | 0.1 | 82 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 43.939 | -9.8 | 83 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.806 | -4.5 | 79 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.266 | 1.8 | 81 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.790 | 0.5 | 78 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.082 | 2.3 | 78 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.230 | 1.9 | 81 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.128 | -5.3 | 81 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.322 | 1.7 | 79 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.185 | -0.5 | 78 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.036 | 2.4 | 80 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.431 | 1.4 | 79 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.447 | 1.4 | 79 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.275 | 1.8 | 81 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.623 | -4.1 | 78 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.358 | 1.6 | 82 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.150 | 2.1 | 81 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.579 | 1.1 | 82 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.594 | 3.5 | 80 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.230 | 1.9 | 81 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 82 | 0.00 |
| 77 | | Benzidine | 40.000 | 79.196 | -98.0# | 162 | 0.00 |
| 78 | | Pyrene | 40.000 | 40.643 | -1.6 | 82 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 82.562 | -3.2 | 86 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.551 | 1.1 | 79 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.852 | 2.9 | 80 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.683 | -4.2 | 85 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.767 | 0.6 | 82 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.371 | 4.1 | 79 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.445 | 6.4 | 77 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.724 | -4.3 | 86 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 38.199 | 4.5 | 81 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.618 | 1.0 | 87 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 39.346 | 1.6 | 84 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 41.448 | -3.6 | 86 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 42.092 | -5.2 | 85 | 0.00 |

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