# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF091418\
Data File : BF109020.D
Acq On : 15 Sep 2018 3:13
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 15 07:03:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 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 | 106 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 32.351 | 19.1 | 85 | -0.02 |
| 3 | | Pyridine | 40.000 | 40.951 | -2.4 | 105 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.054 | -2.6 | 106 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.681 | 0.4 | 107 | 0.00 |
| 6 | | Aniline | 40.000 | 40.143 | -0.4 | 105 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.799 | 0.3 | 107 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.219 | -0.5 | 107 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.418 | -3.5 | 106 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.542 | 1.1 | 106 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.499 | 1.3 | 106 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.508 | 1.2 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.403 | 1.5 | 104 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.818 | 0.5 | 107 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.085 | -2.7 | 108 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.769 | 0.6 | 106 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.067 | -0.2 | 106 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.677 | 0.8 | 105 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.833 | 2.9 | 105 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.301 | 4.2 | 103 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.123 | 4.7 | 104 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.555 | 0.6 | 106 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.405 | -1.0 | 105 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.310 | 1.7 | 105 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.935 | -2.3 | 105 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.308 | 1.7 | 104 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.298 | 1.8 | 104 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.325 | -0.8 | 105 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.901 | 2.7 | 104 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.035 | 2.4 | 104 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 47.637 | -19.1 | 131 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.565 | 1.1 | 104 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.122 | 2.2 | 103 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.655 | -4.1 | 108 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.874 | 0.3 | 105 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.936 | 2.7 | 105 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.746 | 3.1 | 103 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 32.481 | 18.8 | 80 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 78.938 | 1.3 | 102 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.863 | -2.2 | 105 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.150 | -2.9 | 108 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 78.230 | 2.2 | 103 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.825 | 2.9 | 104 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.074 | 2.3 | 104 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 41.452 | -3.6 | 108 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.952 | 2.6 | 104 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.553 | 1.1 | 104 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.490 | -3.7 | 106 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.581 | 3.5 | 101 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 40.719 | -1.8 | 106 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 32.365 | 19.1 | 82 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.883 | 2.8 | 104 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.310 | -3.3 | 103 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.974 | -4.9 | 107 | 0.00 |
| 57 | | Fluorene | 40.000 | 40.022 | -0.1 | 104 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.397 | -1.0 | 106 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.038 | -0.1 | 105 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.622 | 0.9 | 102 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 42.007 | -5.0 | 108 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.005 | 2.5 | 103 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 35.675 | 10.8 | 93 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.181 | 2.0 | 104 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.925 | 2.7 | 103 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 38.833 | 2.9 | 103 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.321 | -0.8 | 107 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 40.731 | -1.8 | 99 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.967 | 2.6 | 105 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.731 | 3.2 | 105 | 0.00 |
| 72 | | Carbazole | 40.000 | 38.767 | 3.1 | 104 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.333 | 4.2 | 102 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.757 | 5.6 | 102 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 76 | | Benzidine | 40.000 | 46.167 | -15.4 | 113 | 0.00 |
| 77 | | Pyrene | 40.000 | 42.487 | -6.2 | 101 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 83.640 | -4.6 | 101 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 43.553 | -8.9 | 101 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.076 | -0.2 | 96 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.899 | -2.2 | 95 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.994 | 0.0 | 95 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.378 | -8.4 | 101 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.523 | -8.8 | 102 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 53.067 | -32.7# | 141 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.260 | 9.4 | 104 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.302 | 6.7 | 114 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.926 | 2.7 | 118 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 45.408 | -13.5 | 142 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 45.229 | -13.1 | 141 | 0.00 |

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