# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF060320\
Data File : BF120505.D
Acq On : 3 Jun 2020 12:42
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 03 14:39:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 14:26:17 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 | 102 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.098 | 7.3 | 91 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.937 | 7.7 | 90 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.641 | 3.4 | 94 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.089 | 3.6 | 94 | 0.00 |
| 6 | | Aniline | 40.000 | 39.920 | 0.2 | 96 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.352 | -1.7 | 98 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.980 | -2.4 | 98 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 33.662 | 15.8 | 83 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.482 | -6.2 | 99 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.887 | -4.7 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.001 | -2.5 | 98 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.390 | -3.5 | 99 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.944 | -2.4 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.890 | -4.7 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.636 | 0.9 | 95 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.835 | -4.6 | 101 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.097 | -5.2 | 102 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.767 | 0.6 | 96 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 35.536 | 11.2 | 92 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.501 | 3.7 | 97 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.068 | -2.6 | 103 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.275 | -0.7 | 100 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.564 | -1.4 | 103 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 47.001 | -17.5 | 115 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.574 | -1.4 | 105 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.845 | -2.1 | 103 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.525 | -3.8 | 103 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.880 | -2.2 | 102 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.076 | -0.2 | 100 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.871 | -4.7 | 128 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.383 | -6.0 | 106 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.006 | -2.5 | 103 | 0.00 |
| 35 | | Caprolactam | 40.000 | 42.379 | -5.9 | 106 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.429 | -3.6 | 103 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.116 | -2.8 | 102 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.907 | -2.3 | 102 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.063 | -2.7 | 106 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 46.778 | -16.9 | 118 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 86.410 | -8.0 | 110 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.313 | -3.3 | 106 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.411 | -3.5 | 107 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 70.926 | 11.3 | 101 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.872 | 0.3 | 102 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.630 | 0.9 | 102 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.393 | -3.5 | 106 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.151 | -0.4 | 103 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.304 | -3.3 | 107 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 42.191 | -5.5 | 107 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.773 | -1.9 | 104 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.069 | -5.2 | 107 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 56.857 | -42.1# | 165 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.553 | 1.1 | 102 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.731 | -4.3 | 106 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.871 | -7.2 | 109 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.668 | 3.3 | 103 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.373 | -3.4 | 103 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.923 | -2.3 | 105 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.233 | 6.9 | 104 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 44.036 | -10.1 | 112 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.193 | 2.0 | 101 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 60.048 | -50.1# | 157 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.864 | 0.3 | 104 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.522 | -1.3 | 106 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.074 | -2.7 | 107 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.867 | -2.2 | 105 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 38.221 | 4.4 | 97 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.955 | 2.6 | 102 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.559 | 1.1 | 102 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.329 | -0.8 | 104 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.546 | -1.4 | 104 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 40.463 | -1.2 | 105 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 77 | | Benzidine | 40.000 | 36.751 | 8.1 | 97 | 0.00 |
| 78 | | Pyrene | 40.000 | 36.929 | 7.7 | 104 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 71.015 | 11.2 | 102 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.004 | -0.0 | 111 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.833 | -2.1 | 113 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 42.278 | -5.7 | 113 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.427 | 3.9 | 108 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.730 | -9.3 | 121 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 44.826 | -12.1 | 122 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 138 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.086 | 2.3 | 138 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.664 | 0.8 | 130 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 35.512 | 11.2 | 118 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 39.471 | 1.3 | 131 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 38.847 | 2.9 | 136 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 38.780 | 3.0 | 139 | 0.00 |

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