# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001227.D
Acq On : 06 Dec 2019 13:11
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_P
**LabSampleId :** SSTDCCC040

Quant Time: Dec 06 14:08:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 05 12:34:47 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 | 75 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.209 | 4.5 | 74 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.694 | 3.3 | 75 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 50.438 | -26.1# | 100 | 0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.579 | -4.5 | 79 | 0.00 |
| 6 | | Aniline | 40.000 | 40.339 | -0.8 | 79 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 83.115 | -3.9 | 81 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.849 | -2.1 | 79 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.892 | -7.2 | 81 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.195 | -3.0 | 80 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.691 | 0.8 | 78 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.965 | -4.9 | 81 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.960 | -4.9 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.185 | -5.5 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 46.101 | -15.3 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.079 | -0.2 | 79 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 39.890 | 0.3 | 79 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 43.548 | -8.9 | 84 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.604 | -4.0 | 83 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.557 | -3.9 | 82 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 75 | -0.01 |
| 22 | | Acetophenone | 40.000 | 42.386 | -6.0 | 83 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 88.510 | -10.6 | 86 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.378 | -8.4 | 84 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.481 | -3.7 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.014 | -7.5 | 81 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.745 | -1.9 | 79 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.953 | 0.1 | 78 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.603 | -6.5 | 82 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.394 | -8.5 | 84 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.287 | -3.2 | 79 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.573 | -1.4 | 76 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.937 | 0.2 | 78 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 46.519 | -16.3 | 89 | -0.01 |
| 35 | | Caprolactam | 40.000 | 40.179 | -0.4 | 81 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.616 | -9.0 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.048 | -5.1 | 81 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.874 | -4.7 | 82 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.680 | -9.2 | 88 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 45.655 | -14.1 | 87 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 95.875 | -19.8 | 96 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.173 | -7.9 | 86 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.255 | -5.6 | 85 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 87.460 | -9.3 | 86 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.733 | -4.3 | 83 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.869 | -4.7 | 84 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 44.118 | -10.3 | 90 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.302 | -3.3 | 82 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 42.921 | -7.3 | 87 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.184 | -3.0 | 83 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.493 | -3.7 | 84 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.347 | -0.9 | 82 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 51.190 | -28.0# | 116 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.557 | -6.4 | 85 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.936 | -4.8 | 85 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 45.383 | -13.5 | 89 | 0.00 |
| 58 | | Fluorene | 40.000 | 42.649 | -6.6 | 85 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.146 | -10.4 | 88 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 42.977 | -7.4 | 88 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 43.534 | -8.8 | 88 | -0.01 |
| 62 | | 4-Nitroaniline | 40.000 | 40.710 | -1.8 | 83 | 0.00 |
| 63 | | Azobenzene | 40.000 | 42.463 | -6.2 | 86 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 82 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.674 | -9.2 | 98 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.670 | -1.7 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.505 | -3.8 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 42.061 | -5.2 | 89 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.696 | -1.7 | 84 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 45.223 | -13.1 | 93 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 41.542 | -3.9 | 87 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.715 | -4.3 | 87 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.524 | -3.8 | 87 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.964 | -9.9 | 90 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 43.364 | -8.4 | 88 | -0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 83 | -0.01 |
| 77 | | Benzidine | 40.000 | 42.885 | -7.2 | 74 | -0.01 |
| 78 | | Pyrene | 40.000 | 39.984 | 0.0 | 89 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 85.888 | -7.4 | 94 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.634 | -6.6 | 91 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.826 | -2.1 | 88 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.064 | -7.7 | 88 | -0.01 |
| 83 | | Chrysene | 40.000 | 41.821 | -4.6 | 89 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.091 | -7.7 | 89 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.541 | -3.9 | 86 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.600 | 8.5 | 78 | -0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 76 | -0.02 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 43.884 | -9.7 | 86 | -0.02 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.090 | -2.7 | 81 | -0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.956 | -4.9 | 82 | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.610 | 1.0 | 77 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.029 | 2.4 | 77 | -0.02 |

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