# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122819\
Data File : BP001479.D
Acq On : 28 Dec 2019 17:02
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 29 08:14:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 16:04:49 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 | 58 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 40.520 | -1.3 | 62 | -0.02 |
| 3 | | Pyridine | 40.000 | 33.758 | 15.6 | 49 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.856 | -4.6 | 62 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.873 | -3.6 | 62 | -0.01 |
| 6 | | Aniline | 40.000 | 42.005 | -5.0 | 63 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 84.049 | -5.1 | 63 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.195 | -8.0 | 65 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.064 | 2.3 | 58 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.894 | 0.3 | 61 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.744 | 3.1 | 59 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 43.872 | -9.7 | 66 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 43.946 | -9.9 | 67 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 44.481 | -11.2 | 67 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.313 | 4.2 | 57 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.179 | 17.1 | 50 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.346 | -3.4 | 62 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.773 | -1.9 | 61 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.257 | 4.4 | 58 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.882 | -4.7 | 63 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 56 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.801 | -4.5 | 63 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.769 | 0.3 | 60 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.169 | 2.1 | 58 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.533 | 3.7 | 58 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.906 | -12.3 | 66 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 43.798 | -9.5 | 65 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.191 | 2.0 | 58 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.201 | -10.5 | 66 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 46.137 | -15.3 | 70 | 0.00 |
| 31 | | Naphthalene | 40.000 | 44.015 | -10.0 | 66 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.039 | 9.9 | 54 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 43.277 | -8.2 | 65 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.687 | -9.2 | 65 | -0.01 |
| 35 | | Caprolactam | 40.000 | 42.107 | -5.3 | 62 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.637 | -1.6 | 61 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 44.687 | -11.7 | 68 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 44.375 | -10.9 | 67 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 59 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 45.634 | -14.1 | 71 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 42.866 | -7.2 | 66 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 95.933 | -19.9 | 75 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 44.102 | -10.3 | 69 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.269 | -8.2 | 67 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 91.708 | -14.6 | 72 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 44.764 | -11.9 | 70 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 44.005 | -10.0 | 68 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 39.297 | 1.8 | 60 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 43.132 | -7.8 | 67 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 42.624 | -6.6 | 66 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 42.923 | -7.3 | 67 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 43.265 | -8.2 | 68 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 42.133 | -5.3 | 66 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 48.480 | -21.2 | 71 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 44.630 | -11.6 | 71 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 55.158 | -37.9# | 84 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.816 | -9.5 | 68 | 0.00 |
| 58 | | Fluorene | 40.000 | 44.963 | -12.4 | 70 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.444 | -6.1 | 66 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.242 | -3.1 | 65 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 46.013 | -15.0 | 72 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.086 | -7.7 | 67 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.899 | 2.8 | 61 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 60 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 50.333 | -25.8# | 83 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 42.932 | -7.3 | 69 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 44.846 | -12.1 | 72 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 45.134 | -12.8 | 73 | 0.00 |
| 69 | | Atrazine | 40.000 | 32.495 | 18.8 | 51 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.755 | -1.9 | 66 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 43.599 | -9.0 | 70 | 0.00 |
| 72 | | Anthracene | 40.000 | 43.740 | -9.4 | 71 | -0.01 |
| 73 | | Carbazole | 40.000 | 42.899 | -7.2 | 69 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.118 | -0.3 | 65 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 44.087 | -10.2 | 72 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 60 | 0.00 |
| 77 | | Benzidine | 40.000 | 52.146 | -30.4# | 83 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.645 | -6.6 | 70 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 92.027 | -15.0 | 76 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 38.504 | 3.7 | 62 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 43.457 | -8.6 | 71 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 46.314 | -15.8 | 73 | -0.01 |
| 83 | | Chrysene | 40.000 | 43.912 | -9.8 | 72 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.988 | 5.0 | 63 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.709 | 5.7 | 62 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.366 | -5.9 | 68 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 59 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 44.741 | -11.9 | 71 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 43.200 | -8.0 | 69 | -0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 44.101 | -10.3 | 70 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 43.901 | -9.8 | 70 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 42.883 | -7.2 | 68 | 0.00 |

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