# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM120618\
Data File : BM017954.D
Acq On : 06 Dec 2018 03:15
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Dec 06 07:15:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 18:37:25 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 | 67 | -0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 39.765 | 0.6 | 68 | -0.05 |
| 3 | | Pyridine | 40.000 | 36.407 | 9.0 | 60 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 29.892 | 25.3# | 49 | -0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.565 | 3.0 | 64 | -0.05 |
| 6 | | Aniline | 40.000 | 35.248 | 11.9 | 57 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 71.911 | 10.1 | 59 | -0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 38.168 | 4.6 | 63 | -0.05 |
| 9 | | Benzaldehyde | 40.000 | 29.674 | 25.8# | 49 | -0.05 |
| 10 | C | Phenol | 40.000 | 35.801 | 10.5 | 59 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.102 | 9.7 | 59 | -0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.745 | 0.6 | 67 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.443 | 1.4 | 66 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.329 | 4.2 | 64 | -0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 33.442 | 16.4 | 54 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 26.254 | 34.4# | 43 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 35.354 | 11.6 | 57 | -0.05 |
| 18 | | Hexachloroethane | 40.000 | 39.140 | 2.1 | 63 | -0.06 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 31.290 | 21.8 | 50 | -0.06 |
| 20 | | 3+4-Methylphenols | 40.000 | 34.125 | 14.7 | 55 | -0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 57 | -0.06 |
| 22 | | Acetophenone | 40.000 | 38.647 | 3.4 | 53 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.506 | 5.6 | 52 | -0.06 |
| 24 | | Nitrobenzene | 40.000 | 37.358 | 6.6 | 53 | -0.05 |
| 25 | | Isophorone | 40.000 | 36.808 | 8.0 | 50 | -0.06 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.459 | -3.6 | 56 | -0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.405 | 1.5 | 54 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.471 | 6.3 | 51 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.621 | 0.9 | 54 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.555 | 1.1 | 55 | -0.05 |
| 31 | | Naphthalene | 40.000 | 39.024 | 2.4 | 55 | -0.06 |
| 32 | | Benzoic acid | 40.000 | 36.892 | 7.8 | 51 | -0.06 |
| 33 | | 4-Chloroaniline | 40.000 | 36.847 | 7.9 | 50 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.876 | -2.2 | 58 | -0.06 |
| 35 | | Caprolactam | 40.000 | 33.114 | 17.2 | 47 | -0.06 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.628 | 10.9 | 49 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.919 | 7.7 | 51 | -0.05 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.720 | 8.2 | 51 | -0.06 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 48 | -0.05 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.471 | -3.7 | 50 | -0.06 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.987 | 5.0 | 45 | -0.06 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 75.720 | 5.4 | 44 | -0.05 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.777 | -1.9 | 48 | -0.05 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.819 | 0.5 | 47 | -0.05 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 82.504 | -3.1 | 50 | -0.05 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.400 | -1.0 | 49 | -0.06 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.544 | -1.4 | 49 | -0.05 |
| 48 | | 2-Nitroaniline | 40.000 | 35.324 | 11.7 | 41 | -0.05 |
| 49 | | Acenaphthylene | 40.000 | 39.777 | 0.6 | 48 | -0.05 |
| 50 | | Dimethylphthalate | 40.000 | 37.159 | 7.1 | 45 | -0.05 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 37.868 | 5.3 | 45 | -0.05 |
| 52 | C | Acenaphthene | 40.000 | 38.915 | 2.7 | 47 | -0.05 |
| 53 | | 3-Nitroaniline | 40.000 | 36.545 | 8.6 | 44 | -0.05 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 34.963 | 12.6 | 42 | -0.04 |
| 55 | | Dibenzofuran | 40.000 | 37.867 | 5.3 | 46 | -0.05 |
| 56 | P | 4-Nitrophenol | 40.000 | 33.659 | 15.9 | 41 | -0.04 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 37.546 | 6.1 | 43 | -0.05 |
| 58 | | Fluorene | 40.000 | 37.108 | 7.2 | 45 | -0.05 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.538 | 6.2 | 44 | -0.05 |
| 60 | | Diethylphthalate | 40.000 | 35.847 | 10.4 | 45 | -0.05 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 36.955 | 7.6 | 44 | -0.05 |
| 62 | | 4-Nitroaniline | 40.000 | 33.546 | 16.1 | 40 | -0.04 |
| 63 | | Azobenzene | 40.000 | 35.409 | 11.5 | 42 | -0.05 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 44 | -0.05 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.133 | 2.2 | 42 | -0.04 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.112 | -2.8 | 44 | -0.05 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.748 | -1.9 | 44 | -0.05 |
| 68 | | Hexachlorobenzene | 40.000 | 39.543 | 1.1 | 44 | -0.04 |
| 69 | | Atrazine | 40.000 | 37.662 | 5.8 | 40 | -0.04 |
| 70 | C | Pentachlorophenol | 40.000 | 39.056 | 2.4 | 42 | -0.04 |
| 71 | | Phenanthrene | 40.000 | 38.972 | 2.6 | 43 | -0.04 |
| 72 | | Anthracene | 40.000 | 39.695 | 0.8 | 43 | -0.05 |
| 73 | | Carbazole | 40.000 | 39.484 | 1.3 | 42 | -0.04 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.244 | -3.1 | 43 | -0.04 |
| 75 | C | Fluoranthene | 40.000 | 38.627 | 3.4 | 42 | -0.04 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 44 | -0.04 |
| 77 | | Benzidine | 40.000 | 33.523 | 16.2 | 34 | -0.04 |
| 78 | | Pyrene | 40.000 | 38.313 | 4.2 | 41 | -0.04 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.268 | 2.2 | 42 | -0.04 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.373 | -3.4 | 42 | -0.04 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.236 | 1.9 | 42 | -0.04 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 42.091 | -5.2 | 43 | -0.04 |
| 83 | | Chrysene | 40.000 | 39.130 | 2.2 | 42 | -0.04 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.461 | -3.7 | 44 | -0.04 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.528 | -8.8 | 46 | -0.04 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 58.913 | -47.3# | 62 | -0.07 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 53 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 37.367 | 6.6 | 49 | -0.05 |
| 89 | Benzo(k)fluoranthene | 40.000 | 36.253 | 9.4 | 46 | -0.04 |
| 90 C | Benzo(a)pyrene | 40.000 | 39.284 | 1.8 | 50 | -0.05 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 48.346 | -20.9 | 63 | -0.08 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 49.830 | -24.6 | 65 | -0.08 |

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