# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121218\
Data File : BG038522.D
Acq On : 13 Dec 2018 8:13
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Dec 13 08:53:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 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 | 92 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.649 | -1.6 | 92 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.661 | -4.2 | 80 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.955 | -7.4 | 91 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 86.219 | -7.8 | 99 | 0.00 |
| 6 | | Aniline | 40.000 | 43.390 | -8.5 | 99 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 87.065 | -8.8 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.270 | -8.2 | 99 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.962 | -2.4 | 102 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.580 | -8.9 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.589 | -6.5 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.209 | -5.5 | 98 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.437 | -6.1 | 99 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.962 | -4.9 | 99 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 44.908 | -12.3 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 42.485 | -6.2 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 44.663 | -11.7 | 101 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.433 | -1.1 | 95 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.442 | -11.1 | 102 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 45.807 | -14.5 | 103 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.447 | 1.4 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.106 | -0.1 | 101 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.615 | -1.5 | 103 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.080 | 4.8 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.890 | 2.8 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.211 | -0.5 | 101 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.838 | -2.1 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.918 | -4.8 | 102 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.016 | -0.0 | 102 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.651 | 0.9 | 101 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.245 | 14.4 | 84 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.462 | -6.2 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.692 | 0.8 | 99 | 0.00 |
| 35 | | Caprolactam | 40.000 | 42.339 | -5.8 | 112 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.469 | -1.2 | 104 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.389 | -1.0 | 103 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.527 | -1.3 | 103 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.386 | 1.5 | 106 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 36.788 | 8.0 | 97 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.322 | -4.2 | 110 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.644 | -1.6 | 104 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.776 | -1.9 | 105 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 77.486 | 3.1 | 105 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.086 | 2.3 | 104 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.464 | 3.8 | 104 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 42.785 | -7.0 | 112 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.572 | 1.1 | 105 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.260 | -0.6 | 107 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.716 | -1.8 | 109 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.458 | 1.4 | 106 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.877 | -7.2 | 113 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.101 | 2.2 | 108 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.861 | 0.3 | 109 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.498 | -3.7 | 106 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.227 | -3.1 | 108 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.299 | -0.7 | 108 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.338 | -3.3 | 107 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.550 | 1.1 | 108 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.356 | -0.9 | 108 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.978 | -7.4 | 110 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.625 | -1.6 | 108 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.317 | 1.7 | 106 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.374 | -0.9 | 111 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.748 | 0.6 | 108 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.096 | -2.7 | 110 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.211 | -5.5 | 112 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 42.210 | -5.5 | 112 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.688 | 0.8 | 109 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.119 | -0.3 | 109 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.877 | -2.2 | 111 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.151 | -2.9 | 111 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.691 | 0.8 | 111 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 77 | | Benzidine | 40.000 | 42.825 | -7.1 | 97 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.716 | 0.7 | 110 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.579 | -2.0 | 111 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.161 | -2.9 | 109 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.973 | -2.4 | 109 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.998 | -5.0 | 108 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.459 | -1.1 | 109 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.025 | -2.6 | 107 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.196 | -3.0 | 106 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.352 | -3.4 | 108 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.806 | -2.0 | 108 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 40.230 | -0.6 | 106 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.926 | -2.3 | 108 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 41.374 | -3.4 | 109 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 40.764 | -1.9 | 108 | 0.00 |

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