# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG080318\
Data File : BG036106.D
Acq On : 3 Aug 2018 22:49
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 04 03:20:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 12:30:06 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 | 115 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 34.275 | 14.3 | 106 | 0.00 |
| 3 | | Pyridine | 40.000 | 34.715 | 13.2 | 96 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.252 | 11.9 | 102 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.455 | 6.9 | 106 | 0.00 |
| 6 | | Aniline | 40.000 | 35.618 | 11.0 | 102 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.979 | 6.3 | 107 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.398 | 1.5 | 113 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.233 | 9.4 | 102 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.651 | 3.4 | 109 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.310 | 6.7 | 107 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.162 | 2.1 | 114 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.440 | 1.4 | 114 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.846 | 2.9 | 113 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.311 | 9.2 | 104 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.739 | 15.7 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.208 | 7.0 | 104 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.723 | 3.2 | 114 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.533 | 11.2 | 104 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.021 | 4.9 | 104 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.295 | 6.8 | 105 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.475 | 4.4 | 106 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.474 | 6.3 | 105 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.040 | 9.9 | 100 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.322 | -8.3 | 117 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.953 | 5.1 | 104 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.141 | 7.1 | 103 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.108 | -2.8 | 110 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.388 | -1.0 | 114 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.570 | 3.6 | 111 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 24.685 | 38.3# | 68 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 37.147 | 7.1 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.447 | -3.6 | 117 | 0.00 |
| 35 | | Caprolactam | 40.000 | 34.295 | 14.3 | 99 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.021 | 2.4 | 106 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.267 | 1.8 | 110 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.409 | 1.5 | 115 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 36.675 | 8.3 | 103 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 80.528 | -0.7 | 114 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.242 | -0.6 | 109 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.422 | 1.4 | 115 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 77.055 | 3.7 | 112 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.148 | 4.6 | 109 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.205 | 4.5 | 111 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 37.904 | 5.2 | 107 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.192 | 4.5 | 110 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 37.190 | 7.0 | 109 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.735 | -4.3 | 117 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.577 | 6.1 | 110 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 37.198 | 7.0 | 103 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 41.029 | -2.6 | 124 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.891 | 5.3 | 109 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 30.923 | 22.7 | 86 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.209 | -3.0 | 112 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.948 | 5.1 | 111 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.599 | 3.5 | 109 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.582 | 8.5 | 106 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.665 | 3.3 | 113 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 37.677 | 5.8 | 104 | 0.00 |
| 62 | | Azobenzene | 40.000 | 35.461 | 11.3 | 103 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.876 | -7.2 | 119 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.356 | 1.6 | 109 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.999 | -5.0 | 115 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 41.138 | -2.8 | 114 | 0.00 |
| 68 | | Atrazine | 40.000 | 34.870 | 12.8 | 93 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 35.264 | 11.8 | 94 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.589 | 3.5 | 108 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.860 | 2.9 | 108 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.642 | 5.9 | 104 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.026 | 4.9 | 105 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.943 | 5.1 | 105 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 76 | | Benzidine | 40.000 | 38.105 | 4.7 | 113 | 0.00 |
| 77 | | Pyrene | 40.000 | 37.260 | 6.9 | 107 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 75.377 | 5.8 | 108 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.531 | 1.2 | 109 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.761 | 5.6 | 108 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.103 | -0.3 | 111 | 0.00 |
| 82 | | Chrysene | 40.000 | 38.362 | 4.1 | 110 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.249 | -3.1 | 114 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.833 | -2.1 | 112 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.381 | 1.5 | 111 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.070 | 4.8 | 113 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.840 | 2.9 | 112 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.279 | 4.3 | 110 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.732 | 3.2 | 111 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.330 | 4.2 | 110 | 0.00 |

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