# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091418\
Data File : BG036701.D
Acq On : 14 Sep 2018 10:35
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 14 11:13:28 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 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 | 121 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 39.652 | 0.9 | 125 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.613 | -1.5 | 121 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.977 | -2.4 | 124 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.790 | -6.0 | 128 | 0.00 |
| 6 | | Aniline | 40.000 | 39.961 | 0.1 | 122 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 83.665 | -4.6 | 127 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 41.651 | -4.1 | 126 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.247 | 4.4 | 124 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.854 | -4.6 | 127 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.963 | -2.4 | 126 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.402 | -3.5 | 128 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.677 | -4.2 | 128 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.601 | -4.0 | 129 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 41.333 | -3.3 | 124 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.868 | 2.8 | 120 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 41.635 | -4.1 | 128 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 42.951 | -7.4 | 130 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.181 | 2.0 | 121 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.147 | -5.4 | 129 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 123 | -0.01 |
| 22 | | Acetophenone | 40.000 | 39.620 | 1.0 | 122 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 91.363 | -14.2 | 138 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.271 | -8.2 | 130 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.015 | 2.5 | 120 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 48.517 | -21.3# | 149 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.798 | 0.5 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.934 | 0.2 | 123 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.366 | -10.9 | 134 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.048 | -7.6 | 135 | -0.01 |
| 31 | | Naphthalene | 40.000 | 41.336 | -3.3 | 128 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 36.299 | 9.3 | 113 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.865 | -2.2 | 125 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 45.062 | -12.7 | 137 | -0.01 |
| 35 | | Caprolactam | 40.000 | 38.121 | 4.7 | 113 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.316 | -3.3 | 125 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.320 | -5.8 | 130 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 126 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.426 | -8.6 | 137 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 40.178 | -0.4 | 125 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 86.206 | -7.8 | 128 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.994 | -7.5 | 133 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.809 | -4.5 | 128 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.990 | -3.7 | 133 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.332 | -0.8 | 130 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.627 | -4.1 | 132 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 43.520 | -8.8 | 130 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 40.475 | -1.2 | 128 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 39.844 | 0.4 | 126 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.209 | -8.0 | 134 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 40.643 | -1.6 | 129 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 41.182 | -3.0 | 120 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 41.421 | -3.6 | 128 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.331 | -0.8 | 129 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.270 | 6.8 | 111 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.726 | -11.8 | 137 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.404 | 1.5 | 124 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.909 | -2.3 | 125 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 38.452 | 3.9 | 120 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.821 | -4.6 | 134 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 39.292 | 1.8 | 116 | -0.01 |
| 62 | | Azobenzene | 40.000 | 37.562 | 6.1 | 119 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 116 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.243 | -13.1 | 131 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.256 | -3.1 | 123 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 44.557 | -11.4 | 130 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 43.734 | -9.3 | 128 | 0.00 |
| 68 | | Atrazine | 40.000 | 33.981 | 15.0 | 101 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 39.816 | 0.5 | 108 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.721 | -1.8 | 119 | -0.01 |
| 71 | | Anthracene | 40.000 | 40.244 | -0.6 | 117 | 0.00 |
| 72 | | Carbazole | 40.000 | 38.747 | 3.1 | 112 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.001 | 5.0 | 108 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 39.513 | 1.2 | 113 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 113 | -0.01 |
| 76 | | Benzidine | 40.000 | 37.734 | 5.7 | 114 | 0.00 |
| 77 | | Pyrene | 40.000 | 40.437 | -1.1 | 113 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 81.914 | -2.4 | 117 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.109 | -2.8 | 112 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.660 | -1.6 | 117 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.704 | 3.2 | 107 | -0.01 |
| 82 | | Chrysene | 40.000 | 41.409 | -3.5 | 117 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.406 | -1.0 | 112 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.476 | -1.2 | 110 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 34.782 | 13.0 | 98 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 112 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.460 | -1.2 | 112 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 43.200 | -8.0 | 121 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.261 | -3.2 | 115 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.267 | 9.3 | 101 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.833 | 5.4 | 105 | -0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1