# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091418\
Data File : BG036708.D
Acq On : 14 Sep 2018 16:06
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 14 17:57:39 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 | 120 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 34.138 | 14.7 | 107 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.433 | 6.4 | 111 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.318 | 9.2 | 109 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.214 | 3.5 | 116 | 0.00 |
| 6 | | Aniline | 40.000 | 39.383 | 1.5 | 119 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.423 | 0.7 | 119 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.464 | 1.3 | 118 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.013 | 7.5 | 119 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.262 | 1.8 | 118 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.256 | 4.4 | 116 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.508 | 1.2 | 121 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.238 | 1.9 | 120 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.169 | 2.1 | 120 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.851 | 0.4 | 118 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.923 | 7.7 | 113 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.847 | -2.1 | 124 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.813 | -2.0 | 122 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.318 | -0.8 | 123 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.216 | -3.0 | 125 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 125 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.882 | 2.8 | 121 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 86.490 | -8.1 | 132 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.141 | -2.9 | 124 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.914 | 0.2 | 124 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 50.402 | -26.0# | 156 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.190 | 4.5 | 120 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.694 | 3.3 | 120 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.118 | -5.3 | 129 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.232 | -0.6 | 128 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.076 | 2.3 | 122 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 10.676 | 73.3# | 22 | -0.07 |
| 33 | | 4-Chloroaniline | 40.000 | 39.851 | 0.4 | 123 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.729 | -4.3 | 128 | 0.00 |
| 35 | | Caprolactam | 40.000 | 42.431 | -6.1 | 127 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.530 | -3.8 | 126 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.228 | -0.6 | 124 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 128 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.189 | -0.5 | 128 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 45.027 | -12.6 | 142 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 91.451 | -14.3 | 138 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 44.577 | -11.4 | 140 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.453 | -8.6 | 134 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 79.703 | 0.4 | 129 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.810 | 3.0 | 127 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.561 | 1.1 | 127 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 44.627 | -11.6 | 135 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.164 | 2.1 | 126 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.548 | 1.1 | 126 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.844 | -9.6 | 138 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.394 | 1.5 | 126 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 43.996 | -10.0 | 130 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 38.485 | 3.8 | 121 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.940 | 2.7 | 126 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 43.835 | -9.6 | 132 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 46.628 | -16.6 | 145 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.930 | 2.7 | 124 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 45.295 | -13.2 | 140 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 38.987 | 2.5 | 123 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.269 | -0.7 | 130 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 42.978 | -7.4 | 128 | 0.00 |
| 62 | | Azobenzene | 40.000 | 36.775 | 8.1 | 118 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 123 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 50.133 | -25.3# | 154 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.557 | 1.1 | 125 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.671 | -4.2 | 129 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 40.618 | -1.5 | 126 | 0.00 |
| 68 | | Atrazine | 40.000 | 33.948 | 15.1 | 107 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 35.599 | 11.0 | 102 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.560 | 3.6 | 120 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.609 | 3.5 | 119 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.276 | 6.8 | 114 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 36.621 | 8.4 | 110 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 35.954 | 10.1 | 109 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 76 | | Benzidine | 40.000 | 40.076 | -0.2 | 117 | 0.00 |
| 77 | | Pyrene | 40.000 | 40.090 | -0.2 | 108 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 82.157 | -2.7 | 113 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.138 | -0.3 | 106 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.311 | 1.7 | 109 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.634 | 0.9 | 105 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.472 | 1.3 | 108 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.042 | 2.4 | 104 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.755 | 0.6 | 104 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.467 | 3.8 | 104 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 109 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.091 | 4.8 | 102 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.219 | 2.0 | 106 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.017 | 2.5 | 105 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.006 | 2.5 | 106 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.714 | 0.7 | 107 | 0.00 |

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