# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022620\
Data File : BG044598.D
Acq On : 26 Feb 2020 11:05
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 27 06:39:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 24 16:11:23 2020
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 | 33.784 | 15.5 | 105 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.533 | 8.7 | 107 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.715 | 3.2 | 117 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 73.068 | 8.7 | 111 | 0.00 |
| 6 | | Aniline | 40.000 | 40.011 | -0.0 | 119 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.971 | 1.3 | 117 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.934 | 2.7 | 117 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.694 | 10.8 | 107 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.274 | 1.8 | 118 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.005 | 2.5 | 118 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.112 | 4.7 | 116 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.152 | 4.6 | 116 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.317 | 4.2 | 115 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.179 | -2.9 | 120 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.766 | 0.6 | 119 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.419 | 1.5 | 116 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.514 | 3.7 | 117 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.455 | -1.1 | 119 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.592 | -1.5 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 117 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.163 | 4.6 | 120 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.023 | 6.2 | 118 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.097 | 7.3 | 117 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.722 | 5.7 | 119 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.991 | 5.0 | 121 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.504 | 6.2 | 117 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.388 | 6.5 | 118 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.520 | 6.2 | 116 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.913 | 7.7 | 118 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.374 | 6.6 | 117 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.565 | -6.4 | 137 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.075 | 2.3 | 120 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.467 | 8.8 | 117 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.866 | -2.2 | 130 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.160 | 2.1 | 124 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.920 | 5.2 | 119 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.528 | 6.2 | 118 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 122 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.235 | 9.4 | 119 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 35.504 | 11.2 | 120 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 75.290 | 5.9 | 122 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 37.030 | 7.4 | 120 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 37.289 | 6.8 | 121 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 72.232 | 9.7 | 117 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 36.264 | 9.3 | 117 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 36.332 | 9.2 | 118 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 38.425 | 3.9 | 125 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 37.049 | 7.4 | 119 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 37.943 | 5.1 | 123 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 37.637 | 5.9 | 122 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 36.567 | 8.6 | 119 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.715 | 3.2 | 125 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.748 | 3.1 | 130 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.164 | 7.1 | 120 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.614 | -1.5 | 129 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.245 | 4.4 | 124 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.245 | 6.9 | 120 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.703 | 5.7 | 122 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.182 | 4.5 | 123 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 36.980 | 7.6 | 120 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.629 | -1.6 | 132 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.112 | 4.7 | 124 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.337 | 1.7 | 128 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 37.054 | 7.4 | 123 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 37.017 | 7.5 | 122 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 36.897 | 7.8 | 123 | 0.00 |
| 69 | | Atrazine | 40.000 | 35.231 | 11.9 | 117 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 39.742 | 0.6 | 135 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 37.284 | 6.8 | 123 | 0.00 |
| 72 | | Anthracene | 40.000 | 37.653 | 5.9 | 124 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.292 | 4.3 | 125 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.766 | 3.1 | 124 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.875 | 5.3 | 123 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 128 | 0.00 |
| 77 | | Benzidine | 40.000 | 33.515 | 16.2 | 105 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.009 | 7.5 | 123 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 73.014 | 8.7 | 119 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 37.758 | 5.6 | 126 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 36.847 | 7.9 | 124 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.587 | 6.0 | 124 | 0.00 |
| 83 | | Chrysene | 40.000 | 36.682 | 8.3 | 123 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.426 | 6.4 | 125 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 38.076 | 4.8 | 125 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.468 | 6.3 | 127 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 127 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 36.679 | 8.3 | 123 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 37.816 | 5.5 | 127 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 37.203 | 7.0 | 126 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 37.494 | 6.3 | 126 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 37.232 | 6.9 | 126 | 0.00 |

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