# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073019\
Data File : BG041795.D
Acq On : 30 Jul 2019 8:51
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 31 01:30:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 07:53:52 2019
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 | 109 | 0.00 |
| 2 | | 1,4-Dioxane | 20.000 | 40.443 | -102.2# | 223 | 0.00 |
| 3 | | Pyridine | 20.000 | 40.456 | -102.3# | 221 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 20.000 | 38.607 | -93.0# | 210 | 0.00 |
| 5 | S | 2-Fluorophenol | 40.000 | 80.259 | -100.6# | 217 | 0.00 |
| 6 | | Aniline | 20.000 | 39.200 | -96.0# | 209 | 0.00 |
| 7 | S | Phenol-d6 | 40.000 | 80.042 | -100.1# | 215 | 0.00 |
| 8 | | 2-Chlorophenol | 20.000 | 39.909 | -99.5# | 217 | 0.00 |
| 9 | | Benzaldehyde | 20.000 | 38.934 | -94.7# | 203 | 0.00 |
| 10 | C | Phenol | 20.000 | 40.010 | -100.1# | 215 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 20.000 | 39.548 | -97.7# | 210 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 20.000 | 38.748 | -93.7# | 207 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 20.000 | 38.850 | -94.3# | 206 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 20.000 | 38.986 | -94.9# | 206 | 0.00 |
| 15 | | Benzyl Alcohol | 20.000 | 39.512 | -97.6# | 221 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 20.000 | 38.469 | -92.3# | 207 | 0.00 |
| 17 | | 2-Methylphenol | 20.000 | 38.835 | -94.2# | 210 | 0.00 |
| 18 | | Hexachloroethane | 20.000 | 40.014 | -100.1# | 218 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 20.000 | 38.222 | -91.1# | 208 | 0.00 |
| 20 | | 3+4-Methylphenols | 20.000 | 39.613 | -98.1# | 218 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 22 | | Acetophenone | 20.000 | 39.063 | -95.3# | 205 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 40.000 | 83.454 | -108.6# | 231 | 0.00 |
| 24 | | Nitrobenzene | 20.000 | 41.441 | -107.2# | 227 | 0.00 |
| 25 | | Isophorone | 20.000 | 39.240 | -96.2# | 206 | 0.00 |
| 26 | C | 2-Nitrophenol | 20.000 | 41.564 | -107.8# | 258 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 20.000 | 40.392 | -102.0# | 217 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 20.000 | 39.729 | -98.6# | 208 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 20.000 | 40.146 | -100.7# | 224 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 20.000 | 39.675 | -98.4# | 210 | 0.00 |
| 31 | | Naphthalene | 20.000 | 39.913 | -99.6# | 205 | 0.00 |
| 32 | | Benzoic acid | 20.000 | 34.853 | -74.3# | 254 | 0.00 |
| 33 | | 4-Chloroaniline | 20.000 | 39.217 | -96.1# | 208 | 0.00 |
| 34 | C | Hexachlorobutadiene | 20.000 | 39.772 | -98.9# | 212 | 0.00 |
| 35 | | Caprolactam | 20.000 | 40.046 | -100.2# | 230 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 20.000 | 40.616 | -103.1# | 220 | 0.00 |
| 37 | | 2-Methylnaphthalene | 20.000 | 39.844 | -99.2# | 205 | 0.00 |
| 38 | | 1-Methylnaphthalene | 20.000 | 39.758 | -98.8# | 203 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 20.000 | 40.169 | -100.8# | 204 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 20.000 | 41.401 | -107.0# | 234 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 40.000 | 83.539 | -108.8# | 231 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 20.000 | 41.878 | -109.4# | 231 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 20.000 | 42.623 | -113.1# | 233 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 40.000 | 81.500 | -103.8# | 191 | 0.00 |
| 46 | | 1,1'-Biphenyl | 20.000 | 40.981 | -104.9# | 203 | 0.00 |
| 47 | | 2-Chloronaphthalene | 20.000 | 40.669 | -103.3# | 205 | 0.00 |
| 48 | | 2-Nitroaniline | 20.000 | 44.420 | -122.1# | 261 | 0.00 |
| 49 | | Acenaphthylene | 20.000 | 40.682 | -103.4# | 198 | 0.00 |
| 50 | | Dimethylphthalate | 20.000 | 41.396 | -107.0# | 206 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 20.000 | 44.139 | -120.7# | 254 | 0.00 |
| 52 | C | Acenaphthene | 20.000 | 40.577 | -102.9# | 206 | 0.00 |
| 53 | | 3-Nitroaniline | 20.000 | 43.639 | -118.2# | 242 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 20.000 | 42.019 | -110.1# | 275 | 0.00 |
| 55 | | Dibenzofuran | 20.000 | 40.739 | -103.7# | 198 | 0.00 |
| 56 | P | 4-Nitrophenol | 20.000 | 43.348 | -116.7# | 246 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 20.000 | 44.443 | -122.2# | 258 | 0.00 |
| 58 | | Fluorene | 20.000 | 40.556 | -102.8# | 200 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 20.000 | 40.985 | -104.9# | 221 | 0.00 |
| 60 | | Diethylphthalate | 20.000 | 41.399 | -107.0# | 206 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 20.000 | 39.876 | -99.4# | 199 | 0.00 |
| 62 | | 4-Nitroaniline | 20.000 | 42.923 | -114.6# | 233 | 0.00 |
| 63 | | Azobenzene | 20.000 | 40.533 | -102.7# | 203 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 20.000 | 41.822 | -109.1# | 287 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 20.000 | 40.653 | -103.3# | 201 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 20.000 | 39.747 | -98.7# | 204 | 0.00 |
| 68 | | Hexachlorobenzene | 20.000 | 39.454 | -97.3# | 202 | 0.00 |
| 69 | | Atrazine | 20.000 | 40.713 | -103.6# | 209 | 0.00 |
| 70 | C | Pentachlorophenol | 20.000 | 41.393 | -107.0# | 243 | 0.00 |
| 71 | | Phenanthrene | 20.000 | 40.928 | -104.6# | 195 | 0.00 |
| 72 | | Anthracene | 20.000 | 40.946 | -104.7# | 195 | 0.00 |
| 73 | | Carbazole | 20.000 | 41.037 | -105.2# | 197 | 0.00 |
| 74 | | Di-n-butylphthalate | 20.000 | 42.361 | -111.8# | 204 | 0.00 |
| 75 | C | Fluoranthene | 20.000 | 41.073 | -105.4# | 190 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 77 | | Benzidine | 20.000 | 41.110 | -105.5# | 192 | 0.00 |
| 78 | | Pyrene | 20.000 | 41.097 | -105.5# | 186 | 0.00 |
| 79 | S | Terphenyl-d14 | 40.000 | 76.135 | -90.3# | 176 | 0.00 |
| 80 | | Butylbenzylphthalate | 20.000 | 42.277 | -111.4# | 219 | 0.00 |
| 81 | | Benzo(a)anthracene | 20.000 | 40.712 | -103.6# | 190 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 20.000 | 41.018 | -105.1# | 203 | 0.00 |
| 83 | | Chrysene | 20.000 | 40.707 | -103.5# | 189 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 20.000 | 42.385 | -111.9# | 212 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 20.000 | 42.337 | -111.7# | 215 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 20.000 | 39.437 | -97.2# | 202 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 20.000 | 40.712 | -103.6# | 197 | 0.00 |
| 89 | Benzo(k)fluoranthene | 20.000 | 40.152 | -100.8# | 194 | 0.00 |
| 90 C | Benzo(a)pyrene | 20.000 | 40.307 | -101.5# | 198 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 20.000 | 40.238 | -101.2# | 202 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 20.000 | 39.904 | -99.5# | 202 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 13