# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
Data File : BG043954.D
Acq On : 7 Jan 2020 14:23
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 07 16:41:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 2 | | 1,4-Dioxane | 0.475 | 0.470 | 1.1 | 95 | 0.00 |
| 3 | | Pyridine | 1.403 | 1.459 | -4.0 | 99 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.625 | 0.608 | 2.7 | 95 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.089 | 1.146 | -5.2 | 99 | 0.00 |
| 6 | | Aniline | 2.000 | 1.989 | 0.5 | 96 | 0.00 |
| 7 | S | Phenol-d6 | 1.523 | 1.602 | -5.2 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 1.279 | 1.308 | -2.3 | 99 | 0.00 |
| 9 | | Benzaldehyde | 0.974 | 0.889 | 8.7 | 94 | 0.00 |
| 10 | C | Phenol | 1.569 | 1.636 | -4.3 | 101 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.354 | 1.336 | 1.3 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.496 | 1.485 | 0.7 | 96 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.476 | 1.492 | -1.1 | 97 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.417 | 1.412 | 0.4 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 1.202 | 1.196 | 0.5 | 96 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.095 | 1.969 | 6.0 | 92 | 0.00 |
| 17 | | 2-Methylphenol | 1.135 | 1.160 | -2.2 | 100 | 0.00 |
| 18 | | Hexachloroethane | 0.575 | 0.581 | -1.0 | 98 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.134 | 1.071 | 5.6 | 92 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.584 | 1.616 | -2.0 | 99 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 22 | | Acetophenone | 0.497 | 0.484 | 2.6 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.374 | 0.359 | 4.0 | 96 | 0.00 |
| 24 | | Nitrobenzene | 0.370 | 0.359 | 3.0 | 95 | 0.00 |
| 25 | | Isophorone | 0.701 | 0.679 | 3.1 | 94 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.175 | 0.184 | -5.1 | 105 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.264 | 0.260 | 1.5 | 98 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.468 | 0.453 | 3.2 | 94 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.315 | 0.325 | -3.2 | 101 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.353 | 0.349 | 1.1 | 97 | 0.00 |
| 31 | | Naphthalene | 0.968 | 0.976 | -0.8 | 96 | 0.00 |
| 32 | | Benzoic acid | 0.197 | 0.138 | 29.9# | 77 | 0.00 |
| 33 | | 4-Chloroaniline | 0.462 | 0.458 | 0.9 | 96 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.215 | 0.213 | 0.9 | 98 | 0.00 |
| 35 | | Caprolactam | 0.117 | 0.121 | -3.4 | 101 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.335 | 0.348 | -3.9 | 102 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.729 | 0.733 | -0.5 | 98 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.691 | 0.697 | -0.9 | 98 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.586 | 0.574 | 2.0 | 99 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.304 | 0.286 | 5.9 | 95 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.209 | 0.226 | -8.1 | 106 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.403 | 0.407 | -1.0 | 101 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.416 | 0.422 | -1.4 | 101 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.104 | 1.134 | -2.7 | 97 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.434 | 1.447 | -0.9 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.159 | 1.148 | 0.9 | 98 | 0.00 |
| 48 | | 2-Nitroaniline | 0.373 | 0.379 | -1.6 | 102 | 0.00 |
| 49 | | Acenaphthylene | 1.665 | 1.707 | -2.5 | 100 | 0.00 |
| 50 | | Dimethylphthalate | 1.420 | 1.452 | -2.3 | 99 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.321 | 0.327 | -1.9 | 103 | 0.00 |
| 52 | C | Acenaphthene | 1.168 | 1.184 | -1.4 | 101 | 0.00 |
| 53 | | 3-Nitroaniline | 0.364 | 0.369 | -1.4 | 100 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.145 | 0.140 | 3.4 | 97 | 0.00 |
| 55 | | Dibenzofuran | 1.608 | 1.665 | -3.5 | 100 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.279 | 0.292 | -4.7 | 101 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.437 | 0.465 | -6.4 | 105 | 0.00 |
| 58 | | Fluorene | 1.274 | 1.315 | -3.2 | 101 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.358 | 0.372 | -3.9 | 102 | 0.00 |
| 60 | | Diethylphthalate | 1.420 | 1.487 | -4.7 | 102 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.692 | 0.709 | -2.5 | 103 | 0.00 |
| 62 | | 4-Nitroaniline | 0.360 | 0.379 | -5.3 | 103 | 0.00 |
| 63 | | Azobenzene | 1.317 | 1.350 | -2.5 | 100 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.097 | 0.102 | -5.2 | 112 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.589 | 0.580 | 1.5 | 103 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.225 | 0.219 | 2.7 | 104 | 0.00 |
| 68 | | Hexachlorobenzene | 0.242 | 0.237 | 2.1 | 104 | 0.00 |
| 69 | | Atrazine | 0.191 | 0.190 | 0.5 | 98 | 0.00 |
| 70 | C | Pentachlorophenol | 0.134 | 0.124 | 7.5 | 93 | 0.00 |
| 71 | | Phenanthrene | 0.959 | 0.962 | -0.3 | 101 | 0.00 |
| 72 | | Anthracene | 0.948 | 0.964 | -1.7 | 102 | 0.00 |
| 73 | | Carbazole | 0.876 | 0.890 | -1.6 | 102 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.118 | 1.116 | 0.2 | 102 | 0.00 |
| 75 | C | Fluoranthene | 1.097 | 1.081 | 1.5 | 102 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 77 | | Benzidine | 0.503 | 0.604 | -20.1 | 109 | 0.00 |
| 78 | | Pyrene | 1.305 | 1.295 | 0.8 | 102 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.828 | 0.832 | -0.5 | 100 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.622 | 0.635 | -2.1 | 103 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.240 | 1.251 | -0.9 | 101 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.490 | 0.492 | -0.4 | 100 | 0.00 |
| 83 | | Chrysene | 1.178 | 1.202 | -2.0 | 102 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.858 | 0.866 | -0.9 | 101 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.442 | 1.488 | -3.2 | 102 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.601 | 1.555 | 2.9 | 100 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.182 | 1.196 | -1.2 | 105 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.124 | 1.116 | 0.7 | 100 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.116 | 1.118 | -0.2 | 102 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.121 | 1.094 | 2.4 | 101 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 1.113 | 1.028 | 7.6 | 96 | -0.01 |

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