# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081623\
Data File : BG058739.D
Acq On : 16 Aug 2023 8:28
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 16 10:34:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 28 22:29:07 2023
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 | 53 | 0.00 |
| 2 | | 1,4-Dioxane | 0.634 | 0.563 | 11.2 | 48# | 0.00 |
| 3 | | Pyridine | 1.729 | 1.571 | 9.1 | 48# | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.732 | 0.764 | -4.4 | 55 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.309 | 1.223 | 6.6 | 50# | 0.00 |
| 6 | | Aniline | 2.242 | 2.126 | 5.2 | 49# | 0.00 |
| 7 | S | Phenol-d6 | 1.821 | 1.748 | 4.0 | 50 | 0.00 |
| 8 | | 2-Chlorophenol | 1.284 | 1.234 | 3.9 | 51 | 0.00 |
| 9 | | Benzaldehyde | 0.989 | 0.914 | 7.6 | 51 | 0.00 |
| 10 | C | Phenol | 1.779 | 1.690 | 5.0 | 50# | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.402 | 1.302 | 7.1 | 50 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.371 | 1.278 | 6.8 | 50# | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.376 | 1.313 | 4.6 | 51 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.316 | 1.269 | 3.6 | 51 | 0.00 |
| 15 | | Benzyl Alcohol | 1.155 | 1.279 | -10.7 | 55 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.278 | 2.676 | -17.5 | 63 | 0.00 |
| 17 | | 2-Methylphenol | 1.300 | 1.242 | 4.5 | 50 | 0.00 |
| 18 | | Hexachloroethane | 0.500 | 0.485 | 3.0 | 52 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.176 | 1.158 | 1.5 | 52 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.759 | 1.702 | 3.2 | 50# | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 55 | 0.00 |
| 22 | | Acetophenone | 0.536 | 0.519 | 3.2 | 52 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.407 | 0.396 | 2.7 | 52 | 0.00 |
| 24 | | Nitrobenzene | 0.414 | 0.398 | 3.9 | 51 | 0.00 |
| 25 | | Isophorone | 0.841 | 0.809 | 3.8 | 52 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.173 | 3.9 | 50 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.299 | 0.287 | 4.0 | 51 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.458 | 0.433 | 5.5 | 50# | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.310 | 0.301 | 2.9 | 51 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.358 | 0.347 | 3.1 | 52 | 0.00 |
| 31 | | Naphthalene | 1.054 | 1.009 | 4.3 | 52 | 0.00 |
| 32 | | Benzoic acid | 0.207 | 0.177 | 14.5 | 41# | 0.00 |
| 33 | | 4-Chloroaniline | 0.445 | 0.445 | 0.0 | 51 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.230 | 0.228 | 0.9 | 54 | 0.00 |
| 35 | | Caprolactam | 0.115 | 0.109 | 5.2 | 50# | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.384 | 0.375 | 2.3 | 52 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.754 | 0.731 | 3.1 | 52 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.717 | 0.687 | 4.2 | 52 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 56 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.614 | 0.577 | 6.0 | 53 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.236 | 0.218 | 7.6 | 49# | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.328 | 0.301 | 8.2 | 51 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.422 | 0.387 | 8.3 | 50 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.497 | 0.459 | 7.6 | 52 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.335 | 1.281 | 4.0 | 55 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.374 | 1.306 | 4.9 | 54 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.071 | 1.009 | 5.8 | 53 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.409 | 0.404 | 1.2 | 53 | 0.00 |
| 49 | | Acenaphthylene | 1.793 | 1.699 | 5.2 | 53 | 0.00 |
| 50 | | Dimethylphthalate | 1.502 | 1.450 | 3.5 | 54 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.330 | 0.319 | 3.3 | 54 | 0.00 |
| 52 | C | Acenaphthene | 1.036 | 0.971 | 6.3 | 53 | 0.00 |
| 53 | | 3-Nitroaniline | 0.330 | 0.318 | 3.6 | 52 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.150 | 0.135 | 10.0 | 46# | 0.00 |
| 55 | | Dibenzofuran | 1.780 | 1.704 | 4.3 | 54 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.222 | 0.207 | 6.8 | 48# | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.457 | 0.451 | 1.3 | 54 | 0.00 |
| 58 | | Fluorene | 1.414 | 1.366 | 3.4 | 55 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.424 | 0.386 | 9.0 | 51 | 0.00 |
| 60 | | Diethylphthalate | 1.530 | 1.512 | 1.2 | 56 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.788 | 0.762 | 3.3 | 55 | 0.00 |
| 62 | | 4-Nitroaniline | 0.312 | 0.327 | -4.8 | 54 | 0.00 |
| 63 | | Azobenzene | 1.507 | 1.398 | 7.2 | 52 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 57 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.110 | 0.109 | 0.9 | 52 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.521 | 0.505 | 3.1 | 55 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.227 | 0.213 | 6.2 | 53 | 0.00 |
| 68 | | Hexachlorobenzene | 0.240 | 0.225 | 6.2 | 54 | 0.00 |
| 69 | | Atrazine | 0.176 | 0.161 | 8.5 | 52 | 0.00 |
| 70 | C | Pentachlorophenol | 0.145 | 0.121 | 16.6 | 44# | 0.00 |
| 71 | | Phenanthrene | 0.948 | 0.912 | 3.8 | 55 | 0.00 |
| 72 | | Anthracene | 0.973 | 0.933 | 4.1 | 54 | 0.00 |
| 73 | | Carbazole | 0.858 | 0.836 | 2.6 | 53 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.075 | 1.074 | 0.1 | 55 | 0.00 |
| 75 | C | Fluoranthene | 1.139 | 1.107 | 2.8 | 54 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 54 | 0.00 |
| 77 | | Benzidine | 0.303 | 0.375 | -23.8 | 54 | 0.00 |
| 78 | | Pyrene | 1.361 | 1.374 | -1.0 | 54 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.064 | 1.076 | -1.1 | 55 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.559 | 0.573 | -2.5 | 54 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.376 | 1.335 | 3.0 | 52 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.465 | 0.472 | -1.5 | 53 | 0.00 |
| 83 | | Chrysene | 1.320 | 1.285 | 2.7 | 52 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.817 | 0.837 | -2.4 | 54 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.436 | 1.450 | -1.0 | 53 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 54 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.331 | 1.271 | 4.5 | 50 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 1.085 | 1.065 | 1.8 | 51 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.090 | 1.059 | 2.8 | 52 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.065 | 1.040 | 2.3 | 52 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.100 | 1.057 | 3.9 | 51 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.103 | 1.054 | 4.4 | 50 | 0.00 |

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