# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111422\
Data File : BP012646.D
Acq On : 14 Nov 2022 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Nov 14 16:56:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 14 04:00:17 2022
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 | 70 | 0.00 |
| 2 | | 1,4-Dioxane | 0.461 | 0.454 | 1.5 | 70 | 0.00 |
| 3 | | Pyridine | 1.343 | 1.368 | -1.9 | 70 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.497 | 0.512 | -3.0 | 71 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.074 | 1.084 | -0.9 | 71 | 0.00 |
| 6 | | Aniline | 1.887 | 1.914 | -1.4 | 71 | 0.00 |
| 7 | S | Phenol-d6 | 1.491 | 1.512 | -1.4 | 71 | 0.00 |
| 8 | | 2-Chlorophenol | 1.360 | 1.352 | 0.6 | 70 | 0.00 |
| 9 | | Benzaldehyde | 0.940 | 0.841 | 10.5 | 67 | 0.00 |
| 10 | C | Phenol | 1.684 | 1.688 | -0.2 | 70 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.393 | 1.343 | 3.6 | 69 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.499 | 1.476 | 1.5 | 71 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.534 | 1.499 | 2.3 | 70 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.460 | 1.435 | 1.7 | 71 | 0.00 |
| 15 | | Benzyl Alcohol | 1.116 | 1.146 | -2.7 | 70 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.809 | 1.779 | 1.7 | 71 | 0.00 |
| 17 | | 2-Methylphenol | 1.161 | 1.172 | -0.9 | 70 | 0.00 |
| 18 | | Hexachloroethane | 0.549 | 0.547 | 0.4 | 70 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.082 | 1.084 | -0.2 | 72 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.631 | 1.654 | -1.4 | 71 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 22 | | Acetophenone | 0.498 | 0.487 | 2.2 | 71 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.360 | 0.363 | -0.8 | 71 | 0.00 |
| 24 | | Nitrobenzene | 0.375 | 0.373 | 0.5 | 71 | 0.00 |
| 25 | | Isophorone | 0.677 | 0.677 | 0.0 | 70 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.188 | -4.4 | 70 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.269 | 0.268 | 0.4 | 71 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.420 | 0.405 | 3.6 | 69 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.319 | 0.317 | 0.6 | 70 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.345 | 0.336 | 2.6 | 71 | 0.00 |
| 31 | | Naphthalene | 1.087 | 1.050 | 3.4 | 71 | 0.00 |
| 32 | | Benzoic acid | 0.252 | 0.261 | -3.6 | 70 | -0.02 |
| 33 | | 4-Chloroaniline | 0.453 | 0.447 | 1.3 | 71 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.219 | 0.215 | 1.8 | 71 | 0.00 |
| 35 | | Caprolactam | 0.107 | 0.110 | -2.8 | 71 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.360 | 0.359 | 0.3 | 71 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.779 | 0.755 | 3.1 | 71 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.762 | 0.735 | 3.5 | 71 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.596 | 0.583 | 2.2 | 70 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.265 | 0.254 | 4.2 | 63 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.273 | 0.282 | -3.3 | 73 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.419 | 0.422 | -0.7 | 70 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.467 | 0.463 | 0.9 | 70 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.317 | 1.270 | 3.6 | 74 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.481 | 1.440 | 2.8 | 72 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.162 | 1.139 | 2.0 | 72 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.352 | 0.366 | -4.0 | 71 | 0.00 |
| 49 | | Acenaphthylene | 1.846 | 1.836 | 0.5 | 73 | 0.00 |
| 50 | | Dimethylphthalate | 1.581 | 1.530 | 3.2 | 71 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.337 | 0.339 | -0.6 | 71 | 0.00 |
| 52 | C | Acenaphthene | 1.124 | 1.095 | 2.6 | 72 | 0.00 |
| 53 | | 3-Nitroaniline | 0.363 | 0.369 | -1.7 | 71 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.211 | 0.216 | -2.4 | 72 | 0.00 |
| 55 | | Dibenzofuran | 1.776 | 1.741 | 2.0 | 75 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.301 | 0.303 | -0.7 | 72 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.434 | 0.454 | -4.6 | 75 | 0.00 |
| 58 | | Fluorene | 1.402 | 1.372 | 2.1 | 76 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.430 | 0.427 | 0.7 | 72 | 0.00 |
| 60 | | Diethylphthalate | 1.582 | 1.554 | 1.8 | 72 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.695 | 0.677 | 2.6 | 75 | 0.00 |
| 62 | | 4-Nitroaniline | 0.348 | 0.367 | -5.5 | 73 | 0.00 |
| 63 | | Azobenzene | 1.418 | 1.410 | 0.6 | 72 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.136 | 0.137 | -0.7 | 74 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.590 | 0.572 | 3.1 | 73 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.225 | 0.220 | 2.2 | 73 | 0.00 |
| 68 | | Hexachlorobenzene | 0.268 | 0.260 | 3.0 | 73 | 0.00 |
| 69 | | Atrazine | 0.206 | 0.196 | 4.9 | 72 | 0.00 |
| 70 | C | Pentachlorophenol | 0.166 | 0.169 | -1.8 | 73 | 0.00 |
| 71 | | Phenanthrene | 1.102 | 1.075 | 2.5 | 76 | 0.00 |
| 72 | | Anthracene | 1.058 | 1.044 | 1.3 | 77 | 0.00 |
| 73 | | Carbazole | 0.991 | 0.979 | 1.2 | 77 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.237 | 1.287 | -4.0 | 78 | 0.00 |
| 75 | C | Fluoranthene | 1.292 | 1.293 | -0.1 | 82 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 77 | | Benzidine | 0.441 | 0.351 | 20.4 | 64 | 0.00 |
| 78 | | Pyrene | 1.380 | 1.346 | 2.5 | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.987 | 0.920 | 6.8 | 85 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.584 | 0.614 | -5.1 | 91 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.337 | 1.323 | 1.0 | 95 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.457 | 0.451 | 1.3 | 95 | 0.00 |
| 83 | | Chrysene | 1.275 | 1.252 | 1.8 | 95 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.799 | 0.861 | -7.8 | 96 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.348 | 1.465 | -8.7 | 107 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.417 | 1.336 | 5.7 | 95 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.287 | 1.252 | 2.7 | 101 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.255 | 1.290 | -2.8 | 112 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.051 | 1.050 | 0.1 | 106 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.185 | 1.121 | 5.4 | 96 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.157 | 1.067 | 7.8 | 91 | -0.02 |

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