# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081022\
Data File : BM036187.D
Acq On : 10 Aug 2022 11:55
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Aug 10 22:21:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 22:19:26 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 | 64 | 0.00 |
| 2 | | 1,4-Dioxane | 0.497 | 0.568 | -14.3 | 82 | 0.00 |
| 3 | | Pyridine | 1.333 | 1.397 | -4.8 | 77 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.548 | 0.570 | -4.0 | 75 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.234 | 1.282 | -3.9 | 73 | 0.00 |
| 6 | | Aniline | 1.738 | 1.807 | -4.0 | 74 | 0.00 |
| 7 | S | Phenol-d6 | 1.570 | 1.651 | -5.2 | 75 | 0.00 |
| 8 | | 2-Chlorophenol | 1.315 | 1.344 | -2.2 | 71 | 0.00 |
| 9 | | Benzaldehyde | 0.831 | 0.762 | 8.3 | 73 | 0.00 |
| 10 | C | Phenol | 1.580 | 1.652 | -4.6 | 75 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.302 | 1.237 | 5.0 | 66 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.458 | 1.455 | 0.2 | 69 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.486 | 1.496 | -0.7 | 70 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.434 | 1.438 | -0.3 | 69 | 0.00 |
| 15 | | Benzyl Alcohol | 1.053 | 1.063 | -0.9 | 71 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.731 | 1.606 | 7.2 | 63 | 0.00 |
| 17 | | 2-Methylphenol | 1.046 | 1.070 | -2.3 | 73 | 0.00 |
| 18 | | Hexachloroethane | 0.535 | 0.523 | 2.2 | 66 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.953 | 0.911 | 4.4 | 66 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.421 | 1.460 | -2.7 | 73 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 63 | 0.00 |
| 22 | | Acetophenone | 0.473 | 0.461 | 2.5 | 69 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.357 | 0.354 | 0.8 | 70 | 0.00 |
| 24 | | Nitrobenzene | 0.336 | 0.332 | 1.2 | 70 | 0.00 |
| 25 | | Isophorone | 0.581 | 0.544 | 6.4 | 66 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.158 | 0.169 | -7.0 | 74 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.245 | 0.244 | 0.4 | 70 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.414 | 0.370 | 10.6 | 62 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.276 | 0.273 | 1.1 | 69 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.313 | 0.296 | 5.4 | 66 | 0.00 |
| 31 | | Naphthalene | 0.994 | 0.958 | 3.6 | 69 | 0.00 |
| 32 | | Benzoic acid | 0.195 | 0.208 | -6.7 | 75 | 0.00 |
| 33 | | 4-Chloroaniline | 0.401 | 0.388 | 3.2 | 69 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.184 | 0.168 | 8.7 | 62 | 0.00 |
| 35 | | Caprolactam | 0.085 | 0.091 | -7.1 | 80 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.290 | 0.284 | 2.1 | 70 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.662 | 0.618 | 6.6 | 66 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.648 | 0.610 | 5.9 | 67 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.542 | 0.506 | 6.6 | 63 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.287 | 0.300 | -4.5 | 68 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.235 | 0.223 | 5.1 | 67 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.369 | 0.360 | 2.4 | 67 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.389 | 0.383 | 1.5 | 68 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.355 | 1.257 | 7.2 | 64 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.458 | 1.368 | 6.2 | 65 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.116 | 1.065 | 4.6 | 67 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.304 | 0.321 | -5.6 | 76 | 0.00 |
| 49 | | Acenaphthylene | 1.724 | 1.675 | 2.8 | 68 | 0.00 |
| 50 | | Dimethylphthalate | 1.360 | 1.251 | 8.0 | 65 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.273 | 0.268 | 1.8 | 68 | 0.00 |
| 52 | C | Acenaphthene | 1.128 | 1.090 | 3.4 | 69 | 0.00 |
| 53 | | 3-Nitroaniline | 0.318 | 0.334 | -5.0 | 76 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.144 | 0.163 | -13.2 | 80 | 0.00 |
| 55 | | Dibenzofuran | 1.689 | 1.599 | 5.3 | 67 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.255 | 0.292 | -14.5 | 83 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.358 | 0.369 | -3.1 | 72 | 0.00 |
| 58 | | Fluorene | 1.332 | 1.252 | 6.0 | 68 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.330 | 0.311 | 5.8 | 67 | 0.00 |
| 60 | | Diethylphthalate | 1.398 | 1.254 | 10.3 | 63 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.664 | 0.592 | 10.8 | 62 | 0.00 |
| 62 | | 4-Nitroaniline | 0.328 | 0.362 | -10.4 | 80 | 0.00 |
| 63 | | Azobenzene | 1.329 | 1.225 | 7.8 | 63 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.102 | 0.112 | -9.8 | 77 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.565 | 0.522 | 7.6 | 67 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.200 | 0.174 | 13.0 | 63 | 0.00 |
| 68 | | Hexachlorobenzene | 0.230 | 0.208 | 9.6 | 66 | 0.00 |
| 69 | | Atrazine | 0.158 | 0.155 | 1.9 | 67 | 0.00 |
| 70 | C | Pentachlorophenol | 0.134 | 0.133 | 0.7 | 71 | 0.00 |
| 71 | | Phenanthrene | 1.019 | 0.972 | 4.6 | 71 | 0.00 |
| 72 | | Anthracene | 0.986 | 0.961 | 2.5 | 72 | 0.00 |
| 73 | | Carbazole | 1.000 | 1.013 | -1.3 | 76 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.193 | 1.052 | 11.8 | 62 | 0.00 |
| 75 | C | Fluoranthene | 1.141 | 1.150 | -0.8 | 76 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 77 | | Benzidine | 0.300 | 0.472 | -57.3# | 124 | 0.00 |
| 78 | | Pyrene | 1.240 | 1.079 | 13.0 | 77 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.014 | 0.836 | 17.6 | 70 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.535 | 0.481 | 10.1 | 75 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.232 | 1.153 | 6.4 | 82 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.299 | 0.319 | -6.7 | 91 | 0.00 |
| 83 | | Chrysene | 1.171 | 1.093 | 6.7 | 81 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.808 | 0.665 | 17.7 | 67 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.318 | 1.175 | 10.8 | 72 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.405 | 1.380 | 1.8 | 94 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.172 | 1.072 | 8.5 | 87 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.184 | 1.065 | 10.1 | 85 | 0.00 |
| 90 | C | Benzo(a)pyrene | 0.983 | 0.930 | 5.4 | 90 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.176 | 1.147 | 2.5 | 93 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.139 | 1.142 | -0.3 | 97 | 0.00 |

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