# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080123\
Data File : BM041216.D
Acq On : 01 Aug 2023 09:32
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 02 01:53:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 31 16:29:28 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 | 80 | 0.00 |
| 2 | | 1,4-Dioxane | 0.572 | 0.480 | 16.1 | 67 | 0.00 |
| 3 | | Pyridine | 1.505 | 1.382 | 8.2 | 70 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.696 | 0.588 | 15.5 | 66 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.338 | 1.253 | 6.4 | 73 | 0.00 |
| 6 | | Aniline | 2.030 | 2.019 | 0.5 | 78 | 0.00 |
| 7 | S | Phenol-d6 | 1.735 | 1.683 | 3.0 | 76 | 0.00 |
| 8 | | 2-Chlorophenol | 1.306 | 1.305 | 0.1 | 79 | 0.00 |
| 9 | | Benzaldehyde | 0.915 | 0.853 | 6.8 | 77 | 0.00 |
| 10 | C | Phenol | 1.675 | 1.636 | 2.3 | 77 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.356 | 1.354 | 0.1 | 79 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.422 | 1.421 | 0.1 | 80 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.429 | 1.434 | -0.3 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.370 | 1.389 | -1.4 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 1.095 | 1.243 | -13.5 | 89 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.807 | 1.713 | 5.2 | 75 | 0.00 |
| 17 | | 2-Methylphenol | 1.145 | 1.197 | -4.5 | 82 | 0.00 |
| 18 | | Hexachloroethane | 0.532 | 0.557 | -4.7 | 81 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.054 | 1.157 | -9.8 | 85 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.530 | 1.644 | -7.5 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 22 | | Acetophenone | 0.530 | 0.524 | 1.1 | 85 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.430 | 0.415 | 3.5 | 82 | 0.00 |
| 24 | | Nitrobenzene | 0.435 | 0.418 | 3.9 | 82 | 0.00 |
| 25 | | Isophorone | 0.730 | 0.794 | -8.8 | 92 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.170 | 0.195 | -14.7 | 95 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.299 | 0.311 | -4.0 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.457 | 0.466 | -2.0 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.302 | 0.330 | -9.3 | 92 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.333 | 0.351 | -5.4 | 91 | 0.00 |
| 31 | | Naphthalene | 1.085 | 1.068 | 1.6 | 85 | 0.00 |
| 32 | | Benzoic acid | 0.198 | 0.264 | -33.3# | 113 | 0.02 |
| 33 | | 4-Chloroaniline | 0.434 | 0.467 | -7.6 | 91 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.200 | 0.225 | -12.5 | 96 | 0.00 |
| 35 | | Caprolactam | 0.087 | 0.107 | -23.0 | 105 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.318 | 0.353 | -11.0 | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.732 | 0.772 | -5.5 | 91 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.685 | 0.720 | -5.1 | 91 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.649 | 0.662 | -2.0 | 100 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.344 | 0.363 | -5.5 | 100 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.283 | 0.326 | -15.2 | 111 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.416 | 0.458 | -10.1 | 105 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.482 | 0.529 | -9.8 | 106 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.583 | 1.552 | 2.0 | 95 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.621 | 1.577 | 2.7 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.211 | 1.194 | 1.4 | 97 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.386 | 0.404 | -4.7 | 97 | 0.00 |
| 49 | | Acenaphthylene | 1.954 | 1.951 | 0.2 | 96 | 0.00 |
| 50 | | Dimethylphthalate | 1.504 | 1.597 | -6.2 | 104 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.312 | 0.346 | -10.9 | 106 | 0.00 |
| 52 | C | Acenaphthene | 1.177 | 1.160 | 1.4 | 97 | 0.00 |
| 53 | | 3-Nitroaniline | 0.326 | 0.363 | -11.3 | 102 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.180 | 0.217 | -20.6 | 116 | 0.00 |
| 55 | | Dibenzofuran | 1.921 | 1.902 | 1.0 | 98 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.260 | 0.285 | -9.6 | 105 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.402 | 0.465 | -15.7 | 108 | 0.00 |
| 58 | | Fluorene | 1.515 | 1.536 | -1.4 | 100 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.390 | 0.433 | -11.0 | 109 | 0.00 |
| 60 | | Diethylphthalate | 1.455 | 1.676 | -15.2 | 113 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.759 | 0.826 | -8.8 | 106 | 0.00 |
| 62 | | 4-Nitroaniline | 0.284 | 0.333 | -17.3 | 106 | 0.00 |
| 63 | | Azobenzene | 1.594 | 1.619 | -1.6 | 97 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.135 | -11.6 | 114 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.622 | 0.608 | 2.3 | 102 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.219 | 0.237 | -8.2 | 114 | 0.00 |
| 68 | | Hexachlorobenzene | 0.244 | 0.256 | -4.9 | 113 | 0.00 |
| 69 | | Atrazine | 0.163 | 0.186 | -14.1 | 119 | 0.00 |
| 70 | C | Pentachlorophenol | 0.169 | 0.189 | -11.8 | 114 | 0.00 |
| 71 | | Phenanthrene | 1.111 | 1.083 | 2.5 | 104 | 0.00 |
| 72 | | Anthracene | 1.099 | 1.109 | -0.9 | 105 | 0.00 |
| 73 | | Carbazole | 0.995 | 0.984 | 1.1 | 103 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.124 | 1.393 | -23.9 | 126 | 0.00 |
| 75 | C | Fluoranthene | 1.248 | 1.289 | -3.3 | 109 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | | Benzidine | 0.273 | 0.274 | -0.4 | 83 | 0.00 |
| 78 | | Pyrene | 1.399 | 1.514 | -8.2 | 106 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.106 | 1.254 | -13.4 | 110 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.511 | 0.687 | -34.4# | 125 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.356 | 1.418 | -4.6 | 102 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.442 | 0.496 | -12.2 | 104 | 0.00 |
| 83 | | Chrysene | 1.311 | 1.333 | -1.7 | 101 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.730 | 1.058 | -44.9# | 133 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.291 | 1.673 | -29.6# | 125 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.470 | 1.441 | 2.0 | 97 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 1.188 | 1.197 | -0.8 | 101 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.215 | 1.217 | -0.2 | 96 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.142 | 1.160 | -1.6 | 100 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.226 | 1.218 | 0.7 | 98 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 1.200 | 1.151 | 4.1 | 95 | 0.01 |

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(#) = Out of Range SPCC's out = 0 CCC's out = 1