# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071824\
Data File : BM046701.D
Acq On : 18 Jul 2024 13:55
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 18 14:42:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 18 06:01:46 2024
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 | 94 | 0.01 |
| 2 | | 1,4-Dioxane | 0.299 | 0.282 | 5.7 | 90 | 0.00 |
| 3 | | Pyridine | 0.876 | 0.919 | -4.9 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.649 | 0.681 | -4.9 | 98 | 0.00 |
| 5 | S | 2-Fluorophenol | 0.985 | 0.969 | 1.6 | 92 | 0.00 |
| 6 | | Aniline | 1.084 | 1.170 | -7.9 | 101 | 0.00 |
| 7 | S | Phenol-d6 | 1.254 | 1.302 | -3.8 | 97 | 0.00 |
| 8 | | 2-Chlorophenol | 1.102 | 1.132 | -2.7 | 95 | 0.00 |
| 9 | | Benzaldehyde | 0.765 | 0.671 | 12.3 | 83 | 0.00 |
| 10 | C | Phenol | 1.218 | 1.237 | -1.6 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 0.905 | 0.953 | -5.3 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.456 | 1.441 | 1.0 | 93 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.478 | 1.478 | 0.0 | 93 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.408 | 1.411 | -0.2 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 1.021 | 1.103 | -8.0 | 102 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.946 | 1.014 | -7.2 | 100 | 0.01 |
| 17 | | 2-Methylphenol | 0.868 | 0.925 | -6.6 | 99 | 0.00 |
| 18 | | Hexachloroethane | 0.537 | 0.552 | -2.8 | 94 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.792 | 0.913 | -15.3 | 107 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.192 | 1.305 | -9.5 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 0.460 | 0.458 | 0.4 | 102 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.385 | 0.385 | 0.0 | 102 | 0.00 |
| 24 | | Nitrobenzene | 0.378 | 0.364 | 3.7 | 100 | 0.00 |
| 25 | | Isophorone | 0.579 | 0.617 | -6.6 | 108 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.181 | 0.181 | 0.0 | 103 | 0.01 |
| 27 | | 2,4-Dimethylphenol | 0.196 | 0.198 | -1.0 | 104 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.330 | 0.342 | -3.6 | 106 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.353 | 0.351 | 0.6 | 103 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.432 | 0.422 | 2.3 | 99 | 0.01 |
| 31 | | Naphthalene | 0.994 | 0.980 | 1.4 | 101 | 0.00 |
| 32 | | Benzoic acid | 0.239 | 0.247 | -3.3 | 104 | 0.01 |
| 33 | | 4-Chloroaniline | 0.370 | 0.386 | -4.3 | 106 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.292 | 0.282 | 3.4 | 98 | 0.00 |
| 35 | | Caprolactam | 0.093 | 0.104 | -11.8 | 114 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.326 | 0.342 | -4.9 | 107 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.754 | 0.772 | -2.4 | 104 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.741 | 0.767 | -3.5 | 106 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.650 | 0.619 | 4.8 | 103 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.159 | 0.245 | -54.1# | 156# | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.310 | 0.321 | -3.5 | 111 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.428 | 0.417 | 2.6 | 106 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.477 | 0.474 | 0.6 | 108 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.416 | 1.409 | 0.5 | 108 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.391 | 1.378 | 0.9 | 108 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.150 | 1.124 | 2.3 | 106 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.302 | 0.317 | -5.0 | 112 | 0.00 |
| 49 | | Acenaphthylene | 1.598 | 1.613 | -0.9 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 1.383 | 1.461 | -5.6 | 115 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.320 | 0.336 | -5.0 | 113 | 0.00 |
| 52 | C | Acenaphthene | 1.025 | 1.033 | -0.8 | 109 | 0.00 |
| 53 | | 3-Nitroaniline | 0.289 | 0.308 | -6.6 | 113 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.162 | 0.223 | -37.7# | 145 | 0.01 |
| 55 | | Dibenzofuran | 1.735 | 1.757 | -1.3 | 109 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.251 | 0.275 | -9.6 | 117 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.463 | 0.500 | -8.0 | 114 | 0.00 |
| 58 | | Fluorene | 1.483 | 1.531 | -3.2 | 112 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.440 | 0.449 | -2.0 | 111 | 0.00 |
| 60 | | Diethylphthalate | 1.427 | 1.566 | -9.7 | 117 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.797 | 0.822 | -3.1 | 111 | 0.00 |
| 62 | | 4-Nitroaniline | 0.326 | 0.349 | -7.1 | 114 | 0.00 |
| 63 | | Azobenzene | 1.159 | 1.215 | -4.8 | 112 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.104 | 0.128 | -23.1 | 137 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.519 | 0.517 | 0.4 | 112 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.226 | 0.226 | 0.0 | 113 | 0.00 |
| 68 | | Hexachlorobenzene | 0.273 | 0.267 | 2.2 | 112 | 0.00 |
| 69 | | Atrazine | 0.182 | 0.179 | 1.6 | 127 | 0.00 |
| 70 | C | Pentachlorophenol | 0.194 | 0.196 | -1.0 | 115 | 0.00 |
| 71 | | Phenanthrene | 0.993 | 0.991 | 0.2 | 114 | 0.00 |
| 72 | | Anthracene | 0.983 | 0.975 | 0.8 | 112 | 0.00 |
| 73 | | Carbazole | 0.930 | 0.946 | -1.7 | 116 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.040 | 1.105 | -6.2 | 117 | 0.00 |
| 75 | C | Fluoranthene | 1.276 | 1.290 | -1.1 | 116 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 77 | | Benzidine | 0.400 | 0.462 | -15.5 | 149 | 0.00 |
| 78 | | Pyrene | 1.424 | 1.367 | 4.0 | 114 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.106 | 1.091 | 1.4 | 117 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.514 | 0.544 | -5.8 | 122 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.323 | 1.336 | -1.0 | 122 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.460 | 0.471 | -2.4 | 121 | 0.00 |
| 83 | | Chrysene | 1.234 | 1.246 | -1.0 | 122 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.686 | 0.755 | -10.1 | 130 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.156 | 1.267 | -9.6 | 130 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 128 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.296 | 1.302 | -0.5 | 131 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 1.231 | 1.229 | 0.2 | 128 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.162 | 1.170 | -0.7 | 130 | 0.01 |
| 90 | C | Benzo(a)pyrene | 1.065 | 1.066 | -0.1 | 129 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.076 | 1.080 | -0.4 | 131 | 0.01 |
| 92 | | Benzo(g,h,i)perylene | 1.110 | 1.134 | -2.2 | 133 | 0.01 |

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