# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028244.D
Acq On : 23 Dec 2020 09:50
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 23 13:05:50 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 23 12:17:02 2020
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 | 78 | 0.00 |
| 2 | | 1,4-Dioxane | 0.496 | 0.426 | 14.1 | 75 | 0.00 |
| 3 | | Pyridine | 1.423 | 1.230 | 13.6 | 76 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.760 | 0.627 | 17.5 | 73 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.214 | 1.090 | 10.2 | 78 | 0.00 |
| 6 | | Aniline | 1.946 | 1.699 | 12.7 | 77 | 0.00 |
| 7 | S | Phenol-d6 | 1.733 | 1.548 | 10.7 | 78 | 0.00 |
| 8 | | 2-Chlorophenol | 1.396 | 1.255 | 10.1 | 78 | 0.00 |
| 9 | | Benzaldehyde | 0.968 | 0.794 | 18.0 | 78 | 0.00 |
| 10 | C | Phenol | 1.646 | 1.452 | 11.8 | 77 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.375 | 1.199 | 12.8 | 77 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.641 | 1.472 | 10.3 | 78 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.662 | 1.489 | 10.4 | 78 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.602 | 1.439 | 10.2 | 78 | 0.00 |
| 15 | | Benzyl Alcohol | 1.228 | 1.068 | 13.0 | 76 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.484 | 2.086 | 16.0 | 74 | 0.00 |
| 17 | | 2-Methylphenol | 1.151 | 1.036 | 10.0 | 78 | 0.00 |
| 18 | | Hexachloroethane | 0.619 | 0.557 | 10.0 | 77 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.093 | 0.951 | 13.0 | 76 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.556 | 1.387 | 10.9 | 78 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 22 | | Acetophenone | 0.514 | 0.447 | 13.0 | 76 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.403 | 0.357 | 11.4 | 76 | 0.00 |
| 24 | | Nitrobenzene | 0.393 | 0.346 | 12.0 | 77 | 0.00 |
| 25 | | Isophorone | 0.664 | 0.590 | 11.1 | 76 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.172 | 0.165 | 4.1 | 79 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.273 | 0.242 | 11.4 | 77 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.477 | 0.410 | 14.0 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.318 | 0.287 | 9.7 | 77 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.372 | 0.328 | 11.8 | 77 | 0.00 |
| 31 | | Naphthalene | 1.126 | 0.997 | 11.5 | 77 | 0.00 |
| 32 | | Benzoic acid | 0.213 | 0.208 | 2.3 | 79 | 0.00 |
| 33 | | 4-Chloroaniline | 0.481 | 0.420 | 12.7 | 76 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.221 | 0.196 | 11.3 | 77 | 0.00 |
| 35 | | Caprolactam | 0.103 | 0.093 | 9.7 | 77 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.340 | 0.301 | 11.5 | 77 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.797 | 0.698 | 12.4 | 77 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.759 | 0.662 | 12.8 | 77 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.634 | 0.567 | 10.6 | 77 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.327 | 0.285 | 12.8 | 70 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.265 | 0.245 | 7.5 | 77 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.426 | 0.390 | 8.5 | 76 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.447 | 0.403 | 9.8 | 76 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.538 | 1.369 | 11.0 | 76 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.670 | 1.473 | 11.8 | 76 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.353 | 1.197 | 11.5 | 77 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.411 | 0.377 | 8.3 | 76 | 0.00 |
| 49 | | Acenaphthylene | 2.026 | 1.818 | 10.3 | 77 | 0.00 |
| 50 | | Dimethylphthalate | 1.660 | 1.435 | 13.6 | 75 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.347 | 0.310 | 10.7 | 76 | 0.00 |
| 52 | C | Acenaphthene | 1.381 | 1.210 | 12.4 | 76 | 0.00 |
| 53 | | 3-Nitroaniline | 0.393 | 0.354 | 9.9 | 76 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.198 | 0.172 | 13.1 | 74 | 0.00 |
| 55 | | Dibenzofuran | 1.967 | 1.723 | 12.4 | 76 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.310 | 0.274 | 11.6 | 75 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.460 | 0.418 | 9.1 | 75 | 0.00 |
| 58 | | Fluorene | 1.612 | 1.411 | 12.5 | 76 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.410 | 0.366 | 10.7 | 76 | 0.00 |
| 60 | | Diethylphthalate | 1.709 | 1.487 | 13.0 | 74 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.805 | 0.700 | 13.0 | 75 | 0.00 |
| 62 | | 4-Nitroaniline | 0.426 | 0.380 | 10.8 | 75 | 0.00 |
| 63 | | Azobenzene | 1.575 | 1.386 | 12.0 | 75 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.118 | 0.106 | 10.2 | 75 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.664 | 0.596 | 10.2 | 76 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.239 | 0.214 | 10.5 | 75 | 0.00 |
| 68 | | Hexachlorobenzene | 0.274 | 0.244 | 10.9 | 76 | 0.00 |
| 69 | | Atrazine | 0.215 | 0.196 | 8.8 | 75 | 0.00 |
| 70 | C | Pentachlorophenol | 0.153 | 0.143 | 6.5 | 75 | 0.00 |
| 71 | | Phenanthrene | 1.215 | 1.061 | 12.7 | 75 | 0.00 |
| 72 | | Anthracene | 1.174 | 1.041 | 11.3 | 75 | 0.00 |
| 73 | | Carbazole | 1.108 | 0.963 | 13.1 | 75 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.385 | 1.271 | 8.2 | 74 | 0.00 |
| 75 | C | Fluoranthene | 1.360 | 1.148 | 15.6 | 73 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 66 | 0.00 |
| 77 | | Benzidine | 0.505 | 0.550 | -8.9 | 69 | 0.00 |
| 78 | | Pyrene | 1.448 | 1.448 | 0.0 | 72 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.102 | 1.119 | -1.5 | 73 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.631 | 0.674 | -6.8 | 73 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.362 | 1.208 | 11.3 | 66 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.439 | 0.406 | 7.5 | 68 | 0.00 |
| 83 | | Chrysene | 1.319 | 1.143 | 13.3 | 65 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.903 | 0.963 | -6.6 | 72 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.463 | 1.488 | -1.7 | 71 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.330 | 1.232 | 7.4 | 65 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.363 | 1.243 | 8.8 | 64 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.324 | 1.158 | 12.5 | 60 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.223 | 1.082 | 11.5 | 62 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.109 | 1.020 | 8.0 | 65 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.060 | 0.997 | 5.9 | 66 | 0.00 |

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