# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031521\
Data File : BM029126.D
Acq On : 15 Mar 2021 12:40
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 15 13:31:49 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 12 12:30:15 2021
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 | 58 | 0.00 |
| 2 | | 1,4-Dioxane | 0.454 | 0.495 | -9.0 | 63 | 0.00 |
| 3 | | Pyridine | 1.197 | 1.236 | -3.3 | 60 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.669 | 0.901 | -34.7# | 76 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.207 | 1.216 | -0.7 | 58 | 0.00 |
| 6 | | Aniline | 1.704 | 1.654 | 2.9 | 57 | 0.00 |
| 7 | S | Phenol-d6 | 1.594 | 1.581 | 0.8 | 58 | 0.00 |
| 8 | | 2-Chlorophenol | 1.433 | 1.412 | 1.5 | 58 | 0.00 |
| 9 | | Benzaldehyde | 0.869 | 0.756 | 13.0 | 57 | 0.00 |
| 10 | C | Phenol | 1.584 | 1.538 | 2.9 | 57 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.201 | 1.153 | 4.0 | 56 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.563 | 1.553 | 0.6 | 58 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.585 | 1.577 | 0.5 | 58 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.525 | 1.527 | -0.1 | 59 | 0.00 |
| 15 | | Benzyl Alcohol | 1.140 | 1.052 | 7.7 | 53 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.850 | 2.076 | -12.2 | 66 | 0.00 |
| 17 | | 2-Methylphenol | 1.076 | 1.045 | 2.9 | 56 | 0.00 |
| 18 | | Hexachloroethane | 0.576 | 0.607 | -5.4 | 62 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.938 | 0.952 | -1.5 | 58 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.447 | 1.433 | 1.0 | 58 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 57 | -0.01 |
| 22 | | Acetophenone | 0.488 | 0.500 | -2.5 | 58 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.371 | 0.390 | -5.1 | 59 | 0.00 |
| 24 | | Nitrobenzene | 0.377 | 0.392 | -4.0 | 59 | 0.00 |
| 25 | | Isophorone | 0.652 | 0.676 | -3.7 | 59 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.190 | 0.195 | -2.6 | 57 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.286 | 0.278 | 2.8 | 55 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.371 | 0.363 | 2.2 | 55 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.327 | 0.330 | -0.9 | 57 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.358 | 0.363 | -1.4 | 57 | 0.00 |
| 31 | | Naphthalene | 1.103 | 1.080 | 2.1 | 56 | 0.00 |
| 32 | | Benzoic acid | 0.205 | 0.214 | -4.4 | 55 | 0.00 |
| 33 | | 4-Chloroaniline | 0.443 | 0.431 | 2.7 | 55 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.215 | 0.234 | -8.8 | 62 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.085 | 4.5 | 53 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.329 | 0.331 | -0.6 | 57 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.776 | 0.753 | 3.0 | 56 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.735 | 0.708 | 3.7 | 55 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 55 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.625 | 0.654 | -4.6 | 58 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.238 | 0.191 | 19.7 | 43# | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.237 | 0.241 | -1.7 | 54 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.438 | 0.457 | -4.3 | 56 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.470 | 0.492 | -4.7 | 57 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.502 | 1.563 | -4.1 | 58 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.604 | 1.608 | -0.2 | 56 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.309 | 1.327 | -1.4 | 57 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.352 | 0.390 | -10.8 | 59 | 0.00 |
| 49 | | Acenaphthylene | 2.011 | 2.032 | -1.0 | 56 | 0.00 |
| 50 | | Dimethylphthalate | 1.516 | 1.582 | -4.4 | 57 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.353 | 0.367 | -4.0 | 56 | 0.00 |
| 52 | C | Acenaphthene | 1.233 | 1.214 | 1.5 | 55 | -0.01 |
| 53 | | 3-Nitroaniline | 0.344 | 0.346 | -0.6 | 53 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.181 | 0.172 | 5.0 | 50# | 0.00 |
| 55 | | Dibenzofuran | 1.936 | 1.966 | -1.5 | 57 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.282 | 0.258 | 8.5 | 49# | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.462 | 0.498 | -7.8 | 57 | 0.00 |
| 58 | | Fluorene | 1.552 | 1.568 | -1.0 | 56 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.378 | 0.385 | -1.9 | 55 | -0.01 |
| 60 | | Diethylphthalate | 1.525 | 1.611 | -5.6 | 58 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.740 | 0.777 | -5.0 | 59 | 0.00 |
| 62 | | 4-Nitroaniline | 0.333 | 0.335 | -0.6 | 52 | -0.01 |
| 63 | | Azobenzene | 1.407 | 1.515 | -7.7 | 58 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 55 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.141 | 0.138 | 2.1 | 52 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.684 | 0.669 | 2.2 | 54 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.224 | 0.0 | 55 | 0.00 |
| 68 | | Hexachlorobenzene | 0.250 | 0.244 | 2.4 | 55 | 0.00 |
| 69 | | Atrazine | 0.213 | 0.221 | -3.8 | 56 | 0.00 |
| 70 | C | Pentachlorophenol | 0.134 | 0.136 | -1.5 | 52 | -0.01 |
| 71 | | Phenanthrene | 1.191 | 1.148 | 3.6 | 53 | 0.00 |
| 72 | | Anthracene | 1.180 | 1.157 | 1.9 | 54 | -0.01 |
| 73 | | Carbazole | 1.132 | 1.091 | 3.6 | 53 | -0.01 |
| 74 | | Di-n-butylphthalate | 1.287 | 1.395 | -8.4 | 58 | 0.00 |
| 75 | C | Fluoranthene | 1.309 | 1.277 | 2.4 | 53 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 53 | 0.00 |
| 77 | | Benzidine | 0.659 | 0.573 | 13.1 | 40# | 0.00 |
| 78 | | Pyrene | 1.469 | 1.439 | 2.0 | 53 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.083 | 1.123 | -3.7 | 56 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.632 | 0.681 | -7.8 | 57 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.388 | 1.400 | -0.9 | 55 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.479 | 0.489 | -2.1 | 53 | 0.00 |
| 83 | | Chrysene | 1.353 | 1.339 | 1.0 | 53 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.910 | 1.036 | -13.8 | 59 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.544 | 1.786 | -15.7 | 59 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 54 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.509 | 1.523 | -0.9 | 54 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 1.413 | 1.400 | 0.9 | 53 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.342 | 1.320 | 1.6 | 54 | -0.01 |
| 90 | C | Benzo(a)pyrene | 1.289 | 1.266 | 1.8 | 53 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.312 | 1.322 | -0.8 | 54 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.266 | 1.257 | 0.7 | 53 | -0.02 |

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