# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121121\
Data File : BM033411.D
Acq On : 11 Dec 2021 14:21
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 12 00:15:19 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM120821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Dec 12 00:15:00 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 | 73 | 0.00 |
| 2 | | 1,4-Dioxane | 0.543 | 0.490 | 9.8 | 72 | 0.00 |
| 3 | | Pyridine | 1.380 | 1.212 | 12.2 | 63 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.804 | 0.770 | 4.2 | 68 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.219 | 1.197 | 1.8 | 71 | 0.00 |
| 6 | | Aniline | 1.910 | 1.843 | 3.5 | 70 | 0.00 |
| 7 | S | Phenol-d6 | 1.700 | 1.677 | 1.4 | 71 | 0.00 |
| 8 | | 2-Chlorophenol | 1.286 | 1.295 | -0.7 | 72 | 0.00 |
| 9 | | Benzaldehyde | 1.194 | 0.976 | 18.3 | 68 | 0.00 |
| 10 | C | Phenol | 1.697 | 1.682 | 0.9 | 71 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.332 | 1.310 | 1.7 | 71 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.511 | 1.524 | -0.9 | 73 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.536 | 1.564 | -1.8 | 73 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.502 | 1.535 | -2.2 | 75 | 0.00 |
| 15 | | Benzyl Alcohol | 1.406 | 1.280 | 9.0 | 64 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.353 | 2.114 | 10.2 | 66 | 0.00 |
| 17 | | 2-Methylphenol | 1.155 | 1.163 | -0.7 | 73 | 0.00 |
| 18 | | Hexachloroethane | 0.603 | 0.610 | -1.2 | 74 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.217 | 1.056 | 13.2 | 62 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.568 | 1.555 | 0.8 | 70 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 22 | | Acetophenone | 0.541 | 0.574 | -6.1 | 76 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.471 | 0.393 | 16.6 | 59 | 0.00 |
| 24 | | Nitrobenzene | 0.451 | 0.421 | 6.7 | 66 | 0.00 |
| 25 | | Isophorone | 0.715 | 0.733 | -2.5 | 73 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.166 | 0.128 | 22.9# | 53 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.264 | 0.263 | 0.4 | 70 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.452 | 0.454 | -0.4 | 73 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.305 | 0.324 | -6.2 | 74 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.360 | 0.386 | -7.2 | 78 | 0.00 |
| 31 | | Naphthalene | 1.069 | 1.108 | -3.6 | 75 | 0.00 |
| 32 | | Benzoic acid | 0.191 | 0.165 | 13.6 | 59 | 0.00 |
| 33 | | 4-Chloroaniline | 0.414 | 0.400 | 3.4 | 68 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.227 | 0.260 | -14.5 | 83 | 0.00 |
| 35 | | Caprolactam | 0.059 | 0.049 | 16.9 | 56 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.367 | 0.376 | -2.5 | 72 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.731 | 0.763 | -4.4 | 75 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.721 | 0.741 | -2.8 | 75 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.591 | 0.654 | -10.7 | 79 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.315 | 0.287 | 8.9 | 61 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.214 | 0.209 | 2.3 | 67 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.391 | 0.404 | -3.3 | 71 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.419 | 0.447 | -6.7 | 73 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.446 | 1.533 | -6.0 | 76 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.523 | 1.610 | -5.7 | 75 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 47 | | 2-Chloronaphthalene | 1.168 | 1.252 | -7.2 | 76 | 0.00 |
| 48 | | 2-Nitroaniline | 0.414 | 0.207 | 50.0# | 34# | 0.00 |
| 49 | | Acenaphthylene | 1.838 | 1.934 | -5.2 | 73 | 0.00 |
| 50 | | Dimethylphthalate | 1.453 | 1.407 | 3.2 | 68 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.296 | 0.248 | 16.2 | 58 | 0.00 |
| 52 | C | Acenaphthene | 1.114 | 1.153 | -3.5 | 74 | 0.00 |
| 53 | | 3-Nitroaniline | 0.309 | 0.245 | 20.7 | 53 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.164 | 0.123 | 25.0# | 50# | 0.00 |
| 55 | | Dibenzofuran | 1.852 | 1.920 | -3.7 | 73 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.233 | 0.197 | 15.5 | 53 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.391 | 0.316 | 19.2 | 54 | 0.00 |
| 58 | | Fluorene | 1.458 | 1.487 | -2.0 | 72 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.363 | 0.370 | -1.9 | 71 | 0.00 |
| 60 | | Diethylphthalate | 1.465 | 1.358 | 7.3 | 66 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.743 | 0.767 | -3.2 | 74 | 0.00 |
| 62 | | 4-Nitroaniline | 0.324 | 0.230 | 29.0# | 46# | 0.00 |
| 63 | | Azobenzene | 1.692 | 1.693 | -0.1 | 70 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.113 | 0.094 | 16.8 | 50 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.606 | 0.650 | -7.3 | 69 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.210 | 0.229 | -9.0 | 71 | 0.00 |
| 68 | | Hexachlorobenzene | 0.228 | 0.244 | -7.0 | 70 | 0.00 |
| 69 | | Atrazine | 0.124 | 0.107 | 13.7 | 53 | 0.00 |
| 70 | C | Pentachlorophenol | 0.125 | 0.139 | -11.2 | 67 | 0.00 |
| 71 | | Phenanthrene | 1.120 | 1.173 | -4.7 | 68 | 0.00 |
| 72 | | Anthracene | 1.094 | 1.145 | -4.7 | 67 | 0.00 |
| 73 | | Carbazole | 1.054 | 1.069 | -1.4 | 65 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.153 | 0.923 | 19.9 | 50 | 0.00 |
| 75 | C | Fluoranthene | 1.245 | 1.249 | -0.3 | 64 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 57 | 0.00 |
| 77 | | Benzidine | 0.270 | 0.114 | 57.8# | 24# | 0.00 |
| 78 | | Pyrene | 1.401 | 1.519 | -8.4 | 63 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.080 | 1.115 | -3.2 | 60 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.552 | 0.300 | 45.7# | 30# | 0.00 |
| 81 | | Benzo(a)anthracene | 1.313 | 1.340 | -2.1 | 59 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.595 | 0.443 | 25.5# | 42# | 0.00 |
| 83 | | Chrysene | 1.269 | 1.305 | -2.8 | 60 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.773 | 0.437 | 43.5# | 32# | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.289 | 0.764 | 40.7# | 33# | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 55 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.372 | 1.462 | -6.6 | 58 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.259 | 1.321 | -4.9 | 58 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.244 | 1.324 | -6.4 | 57 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.040 | 1.099 | -5.7 | 57 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.157 | 1.217 | -5.2 | 57 | 0.00 |

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| 92 | Benzo(g,h,i)perylene | 1.132 | 1.211 | -7.0 | 58 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2