# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM010919\
Data File : BM018470.D
Acq On : 09 Jan 2019 12:39
Operator : JU/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ICVBM010919

Quant Time: Jan 10 05:53:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 12:39:07 2019
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 | 98 | 0.00 |
| 2 | | 1,4-Dioxane | 0.441 | 0.444 | -0.7 | 99 | 0.00 |
| 3 | | Pyridine | 1.101 | 1.170 | -6.3 | 99 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.455 | 0.474 | -4.2 | 98 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.083 | 1.129 | -4.2 | 100 | 0.00 |
| 6 | | Aniline | 1.535 | 1.619 | -5.5 | 99 | 0.00 |
| 7 | S | Phenol-d6 | 1.376 | 1.439 | -4.6 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 1.265 | 1.308 | -3.4 | 100 | 0.00 |
| 9 | | Benzaldehyde | 0.770 | 0.822 | -6.8 | 104 | 0.00 |
| 10 | C | Phenol | 1.398 | 1.451 | -3.8 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.098 | 1.152 | -4.9 | 101 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.507 | 1.538 | -2.1 | 101 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.527 | 1.550 | -1.5 | 100 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.448 | 1.487 | -2.7 | 101 | 0.00 |
| 15 | | Benzyl Alcohol | 0.994 | 1.051 | -5.7 | 101 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.404 | 1.426 | -1.6 | 100 | 0.02 |
| 17 | | 2-Methylphenol | 0.949 | 1.002 | -5.6 | 101 | 0.00 |
| 18 | | Hexachloroethane | 0.544 | 0.552 | -1.5 | 100 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.895 | 0.935 | -4.5 | 100 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.310 | 1.394 | -6.4 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 22 | | Acetophenone | 0.495 | 0.496 | -0.2 | 101 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.345 | 0.350 | -1.4 | 101 | 0.00 |
| 24 | | Nitrobenzene | 0.339 | 0.340 | -0.3 | 101 | 0.00 |
| 25 | | Isophorone | 0.522 | 0.544 | -4.2 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.164 | 0.179 | -9.1 | 103 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.246 | 0.253 | -2.8 | 101 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.361 | 0.364 | -0.8 | 100 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.293 | 0.309 | -5.5 | 101 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.364 | 0.360 | 1.1 | 101 | 0.00 |
| 31 | | Naphthalene | 0.963 | 0.958 | 0.5 | 100 | 0.00 |
| 32 | | Benzoic acid | 0.150 | 0.168 | -12.0 | 110 | -0.04 |
| 33 | | 4-Chloroaniline | 0.379 | 0.390 | -2.9 | 98 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.230 | 0.227 | 1.3 | 101 | 0.00 |
| 35 | | Caprolactam | 0.100 | 0.107 | -7.0 | 103 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.307 | 0.325 | -5.9 | 101 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.681 | 0.682 | -0.1 | 101 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.658 | 0.663 | -0.8 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.699 | 0.699 | 0.0 | 101 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.384 | 0.392 | -2.1 | 99 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.255 | 0.270 | -5.9 | 102 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.425 | 0.447 | -5.2 | 102 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.447 | 0.474 | -6.0 | 102 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.533 | 1.529 | 0.3 | 101 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.746 | 1.740 | 0.3 | 101 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.354 | 1.345 | 0.7 | 101 | 0.00 |
| 48 | | 2-Nitroaniline | 0.333 | 0.357 | -7.2 | 102 | 0.00 |
| 49 | | Acenaphthylene | 1.973 | 2.008 | -1.8 | 102 | 0.00 |
| 50 | | Dimethylphthalate | 1.643 | 1.667 | -1.5 | 101 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.348 | 0.366 | -5.2 | 103 | 0.00 |
| 52 | C | Acenaphthene | 1.207 | 1.213 | -0.5 | 102 | 0.00 |
| 53 | | 3-Nitroaniline | 0.351 | 0.370 | -5.4 | 101 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.158 | 0.168 | -6.3 | 105 | 0.00 |
| 55 | | Dibenzofuran | 1.995 | 1.990 | 0.3 | 101 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.303 | 0.319 | -5.3 | 103 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.492 | 0.505 | -2.6 | 102 | 0.00 |
| 58 | | Fluorene | 1.486 | 1.504 | -1.2 | 102 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.396 | 0.412 | -4.0 | 101 | 0.00 |
| 60 | | Diethylphthalate | 1.658 | 1.703 | -2.7 | 102 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.857 | 0.860 | -0.4 | 102 | 0.00 |
| 62 | | 4-Nitroaniline | 0.383 | 0.403 | -5.2 | 102 | 0.00 |
| 63 | | Azobenzene | 1.352 | 1.394 | -3.1 | 101 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.118 | 0.124 | -5.1 | 106 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.620 | 0.628 | -1.3 | 101 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.224 | 0.0 | 101 | 0.00 |
| 68 | | Hexachlorobenzene | 0.251 | 0.247 | 1.6 | 101 | 0.00 |
| 69 | | Atrazine | 0.224 | 0.235 | -4.9 | 102 | 0.00 |
| 70 | C | Pentachlorophenol | 0.164 | 0.171 | -4.3 | 104 | 0.00 |
| 71 | | Phenanthrene | 1.064 | 1.067 | -0.3 | 102 | 0.00 |
| 72 | | Anthracene | 1.023 | 1.047 | -2.3 | 102 | 0.00 |
| 73 | | Carbazole | 1.051 | 1.077 | -2.5 | 101 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.151 | 1.225 | -6.4 | 102 | 0.00 |
| 75 | C | Fluoranthene | 1.226 | 1.249 | -1.9 | 102 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | | Benzidine | 0.494 | 0.493 | 0.2 | 86 | 0.00 |
| 78 | | Pyrene | 1.185 | 1.223 | -3.2 | 101 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.949 | 0.996 | -5.0 | 102 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.506 | 0.528 | -4.3 | 103 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.178 | 1.186 | -0.7 | 99 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.446 | 0.470 | -5.4 | 100 | 0.00 |
| 83 | | Chrysene | 1.138 | 1.153 | -1.3 | 101 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.730 | 0.760 | -4.1 | 102 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.229 | 1.272 | -3.5 | 102 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.312 | 1.340 | -2.1 | 101 | 0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.135 | 1.178 | -3.8 | 105 | 0.01 |
| 89 | Benzo(k)fluoranthene | 1.144 | 1.137 | 0.6 | 97 | 0.01 |
| 90 C | Benzo(a)pyrene | 1.087 | 1.109 | -2.0 | 101 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.101 | 1.113 | -1.1 | 101 | 0.02 |
| 92 | Benzo(g,h,i)perylene | 1.072 | 1.086 | -1.3 | 101 | 0.02 |

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