# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060419\
Data File : BM020724.D
Acq On : 05 Jun 2019 06:20
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jun 05 07:10:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 31 15:48:49 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 | 150# | -0.01 |
| 2 | | 1,4-Dioxane | 0.465 | 0.487 | -4.7 | 158# | 0.00 |
| 3 | | Pyridine | 1.481 | 1.579 | -6.6 | 155# | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.638 | 0.627 | 1.7 | 149 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.137 | 1.216 | -6.9 | 161# | -0.01 |
| 6 | | Aniline | 2.422 | 2.423 | -0.0 | 149 | -0.01 |
| 7 | S | Phenol-d6 | 1.674 | 1.725 | -3.0 | 154# | 0.00 |
| 8 | | 2-Chlorophenol | 1.414 | 1.480 | -4.7 | 157# | -0.01 |
| 9 | | Benzaldehyde | 0.948 | 1.012 | -6.8 | 153# | -0.01 |
| 10 | C | Phenol | 1.804 | 1.851 | -2.6 | 152# | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.438 | 1.451 | -0.9 | 150 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.626 | 1.728 | -6.3 | 160# | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.653 | 1.754 | -6.1 | 159# | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.608 | 1.695 | -5.4 | 158# | -0.01 |
| 15 | | Benzyl Alcohol | 1.481 | 1.444 | 2.5 | 145 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.220 | 2.068 | 6.8 | 138 | -0.02 |
| 17 | | 2-Methylphenol | 1.269 | 1.270 | -0.1 | 149 | -0.01 |
| 18 | | Hexachloroethane | 0.633 | 0.647 | -2.2 | 152# | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.346 | 1.282 | 4.8 | 139 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.726 | 1.736 | -0.6 | 148 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 138 | -0.01 |
| 22 | | Acetophenone | 0.508 | 0.536 | -5.5 | 145 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.386 | 0.414 | -7.3 | 148 | -0.01 |
| 24 | | Nitrobenzene | 0.394 | 0.415 | -5.3 | 145 | -0.01 |
| 25 | | Isophorone | 0.768 | 0.772 | -0.5 | 137 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.147 | 0.179 | -21.8# | 170# | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.275 | 0.291 | -5.8 | 147 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.464 | 0.477 | -2.8 | 141 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.304 | 0.337 | -10.9 | 153# | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.350 | 0.392 | -12.0 | 157# | -0.01 |
| 31 | | Naphthalene | 1.028 | 1.092 | -6.2 | 147 | -0.01 |
| 32 | | Benzoic acid | 0.154 | 0.197 | -27.9# | 167# | 0.00 |
| 33 | | 4-Chloroaniline | 0.479 | 0.500 | -4.4 | 143 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.210 | 0.236 | -12.4 | 159# | -0.02 |
| 35 | | Caprolactam | 0.106 | 0.113 | -6.6 | 144 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.354 | 0.367 | -3.7 | 142 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.762 | 0.800 | -5.0 | 144 | -0.02 |
| 38 | | 1-Methylnaphthalene | 0.726 | 0.765 | -5.4 | 145 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 133 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.655 | 0.733 | -11.9 | 152# | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.392 | 0.360 | 8.2 | 124 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 0.248 | 0.285 | -14.9 | 153# | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.422 | 0.486 | -15.2 | 152# | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.436 | 0.500 | -14.7 | 152# | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.504 | 1.643 | -9.2 | 146 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.670 | 1.802 | -7.9 | 144 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.348 | 1.448 | -7.4 | 144 | -0.01 |
| 48 | | 2-Nitroaniline | 0.423 | 0.452 | -6.9 | 138 | 0.00 |
| 49 | | Acenaphthylene | 2.103 | 2.233 | -6.2 | 140 | -0.01 |
| 50 | | Dimethylphthalate | 1.709 | 1.823 | -6.7 | 140 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.347 | 0.382 | -10.1 | 145 | 0.00 |
| 52 | C | Acenaphthene | 1.254 | 1.336 | -6.5 | 140 | -0.01 |
| 53 | | 3-Nitroaniline | 0.387 | 0.410 | -5.9 | 137 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.123 | 0.091 | 26.0# | 97 | 0.00 |
| 55 | | Dibenzofuran | 1.947 | 2.063 | -6.0 | 141 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.285 | 0.289 | -1.4 | 130 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.465 | 0.517 | -11.2 | 144 | -0.01 |
| 58 | | Fluorene | 1.601 | 1.692 | -5.7 | 139 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.380 | 0.424 | -11.6 | 146 | -0.01 |
| 60 | | Diethylphthalate | 1.762 | 1.822 | -3.4 | 134 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.848 | 0.909 | -7.2 | 143 | -0.01 |
| 62 | | 4-Nitroaniline | 0.411 | 0.416 | -1.2 | 131 | 0.00 |
| 63 | | Azobenzene | 1.690 | 1.630 | 3.6 | 125 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 123 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.083 | 0.078 | 6.0 | 119 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.640 | 0.696 | -8.7 | 136 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.235 | 0.264 | -12.3 | 142 | -0.01 |
| 68 | | Hexachlorobenzene | 0.275 | 0.311 | -13.1 | 143 | -0.01 |
| 69 | | Atrazine | 0.191 | 0.207 | -8.4 | 120 | -0.01 |
| 70 | C | Pentachlorophenol | 0.131 | 0.149 | -13.7 | 139 | 0.00 |
| 71 | | Phenanthrene | 1.134 | 1.205 | -6.3 | 132 | -0.02 |
| 72 | | Anthracene | 1.135 | 1.200 | -5.7 | 131 | -0.01 |
| 73 | | Carbazole | 1.030 | 1.050 | -1.9 | 125 | -0.01 |
| 74 | | Di-n-butylphthalate | 1.337 | 1.368 | -2.3 | 124 | -0.02 |
| 75 | C | Fluoranthene | 1.261 | 1.288 | -2.1 | 126 | -0.02 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 120 | -0.02 |
| 77 | | Benzidine | 0.606 | 0.617 | -1.8 | 107 | -0.02 |
| 78 | | Pyrene | 1.535 | 1.611 | -5.0 | 125 | -0.01 |
| 79 | S | Terphenyl-d14 | 1.196 | 1.282 | -7.2 | 123 | -0.02 |
| 80 | | Butylbenzylphthalate | 0.649 | 0.670 | -3.2 | 122 | -0.02 |
| 81 | | Benzo(a)anthracene | 1.393 | 1.472 | -5.7 | 128 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 0.510 | 0.563 | -10.4 | 132 | -0.01 |
| 83 | | Chrysene | 1.324 | 1.397 | -5.5 | 127 | -0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.943 | 0.937 | 0.6 | 117 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.497 | 1.512 | -1.0 | 123 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.354 | 1.705 | -25.9# | 166# | -0.03 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 141 | -0.02 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.322 | 1.348 | -2.0 | 143 | -0.02 |
| 89 | Benzo(k)fluoranthene | 1.292 | 1.352 | -4.6 | 149 | -0.02 |
| 90 C | Benzo(a)pyrene | 1.199 | 1.277 | -6.5 | 152# | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 1.163 | 1.317 | -13.2 | 166# | -0.04 |
| 92 | Benzo(g,h,i)perylene | 1.080 | 1.232 | -14.1 | 166# | -0.03 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1