# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111018\
Data File : BM017591.D
Acq On : 09 Nov 2018 14:55
Operator : MJ/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 12 00:37:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 15:08:36 2018
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 | 95 | -0.02 |
| 2 | | 1,4-Dioxane | 0.604 | 0.565 | 6.5 | 91 | -0.01 |
| 3 | | Pyridine | 1.389 | 1.429 | -2.9 | 93 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.558 | 0.636 | -14.0 | 110 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.182 | 1.181 | 0.1 | 93 | -0.02 |
| 6 | | Aniline | 2.014 | 2.079 | -3.2 | 95 | -0.02 |
| 7 | S | Phenol-d6 | 1.610 | 1.678 | -4.2 | 95 | -0.02 |
| 8 | | 2-Chlorophenol | 1.368 | 1.431 | -4.6 | 96 | -0.02 |
| 9 | | Benzaldehyde | 1.027 | 0.944 | 8.1 | 89 | -0.02 |
| 10 | C | Phenol | 1.733 | 1.759 | -1.5 | 93 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.382 | 1.371 | 0.8 | 93 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.595 | 1.579 | 1.0 | 94 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.629 | 1.615 | 0.9 | 94 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.570 | 1.582 | -0.8 | 95 | -0.02 |
| 15 | | Benzyl Alcohol | 1.177 | 1.376 | -16.9 | 104 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.930 | 2.025 | -4.9 | 99 | -0.02 |
| 17 | | 2-Methylphenol | 1.113 | 1.186 | -6.6 | 97 | -0.02 |
| 18 | | Hexachloroethane | 0.558 | 0.581 | -4.1 | 98 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.060 | 1.216 | -14.7 | 102 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.522 | 1.669 | -9.7 | 99 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 99 | -0.03 |
| 22 | | Acetophenone | 0.507 | 0.498 | 1.8 | 96 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.342 | 0.383 | -12.0 | 103 | -0.02 |
| 24 | | Nitrobenzene | 0.362 | 0.386 | -6.6 | 99 | -0.02 |
| 25 | | Isophorone | 0.565 | 0.609 | -7.8 | 101 | -0.03 |
| 26 | C | 2-Nitrophenol | 0.156 | 0.185 | -18.6 | 114 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.250 | 0.260 | -4.0 | 99 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.397 | 0.405 | -2.0 | 97 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 0.290 | 0.314 | -8.3 | 102 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.348 | 0.350 | -0.6 | 100 | -0.03 |
| 31 | | Naphthalene | 0.980 | 0.976 | 0.4 | 99 | -0.02 |
| 32 | | Benzoic acid | 0.186 | 0.221 | -18.8 | 120 | -0.02 |
| 33 | | 4-Chloroaniline | 0.423 | 0.447 | -5.7 | 100 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.220 | 0.218 | 0.9 | 99 | -0.03 |
| 35 | | Caprolactam | 0.106 | 0.117 | -10.4 | 107 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.327 | 0.361 | -10.4 | 104 | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.671 | 0.705 | -5.1 | 101 | -0.03 |
| 38 | | 1-Methylnaphthalene | 0.653 | 0.690 | -5.7 | 101 | -0.02 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 104 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.704 | 0.702 | 0.3 | 103 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 0.340 | 0.357 | -5.0 | 103 | -0.03 |
| 42 | S | 2,4,6-Tribromophenol | 0.270 | 0.311 | -15.2 | 119 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 0.409 | 0.448 | -9.5 | 105 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 0.438 | 0.474 | -8.2 | 106 | -0.03 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.503 | 1.514 | -0.7 | 104 | -0.02 |
| 46 | | 1,1'-Biphenyl | 1.800 | 1.778 | 1.2 | 102 | -0.02 |
| 47 | | 2-Chloronaphthalene | 1.324 | 1.324 | 0.0 | 102 | -0.02 |
| 48 | | 2-Nitroaniline | 0.342 | 0.432 | -26.3# | 123 | -0.02 |
| 49 | | Acenaphthylene | 1.919 | 2.023 | -5.4 | 104 | -0.02 |
| 50 | | Dimethylphthalate | 1.543 | 1.654 | -7.2 | 107 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 0.340 | 0.378 | -11.2 | 112 | -0.02 |
| 52 | C | Acenaphthene | 1.205 | 1.236 | -2.6 | 105 | -0.02 |
| 53 | | 3-Nitroaniline | 0.368 | 0.404 | -9.8 | 110 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.162 | 0.204 | -25.9# | 126 | -0.02 |
| 55 | | Dibenzofuran | 2.004 | 2.033 | -1.4 | 105 | -0.02 |
| 56 | P | 4-Nitrophenol | 0.299 | 0.318 | -6.4 | 105 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.456 | 0.529 | -16.0 | 115 | -0.02 |
| 58 | | Fluorene | 1.483 | 1.578 | -6.4 | 109 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.400 | 0.446 | -11.5 | 109 | -0.02 |
| 60 | | Diethylphthalate | 1.530 | 1.718 | -12.3 | 110 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.846 | 0.887 | -4.8 | 107 | -0.02 |
| 62 | | 4-Nitroaniline | 0.381 | 0.404 | -6.0 | 105 | -0.02 |
| 63 | | Azobenzene | 1.487 | 1.685 | -13.3 | 110 | -0.02 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 108 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.143 | -23.3 | 129 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 0.605 | 0.635 | -5.0 | 109 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.232 | -5.5 | 109 | -0.02 |
| 68 | | Hexachlorobenzene | 0.255 | 0.265 | -3.9 | 111 | -0.02 |
| 69 | | Atrazine | 0.217 | 0.213 | 1.8 | 103 | -0.02 |
| 70 | C | Pentachlorophenol | 0.175 | 0.188 | -7.4 | 111 | -0.03 |
| 71 | | Phenanthrene | 1.079 | 1.076 | 0.3 | 107 | -0.02 |
| 72 | | Anthracene | 1.025 | 1.077 | -5.1 | 109 | -0.03 |
| 73 | | Carbazole | 1.047 | 1.115 | -6.5 | 111 | -0.02 |
| 74 | | Di-n-butylphthalate | 1.105 | 1.253 | -13.4 | 118 | -0.02 |
| 75 | C | Fluoranthene | 1.214 | 1.292 | -6.4 | 111 | -0.02 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 113 | -0.02 |
| 77 | | Benzidine | 0.507 | 0.497 | 2.0 | 101 | -0.02 |
| 78 | | Pyrene | 1.118 | 1.158 | -3.6 | 111 | -0.02 |
| 79 | S | Terphenyl-d14 | 0.887 | 0.927 | -4.5 | 114 | -0.02 |
| 80 | | Butylbenzylphthalate | 0.384 | 0.503 | -31.0# | 145 | -0.02 |
| 81 | | Benzo(a)anthracene | 1.125 | 1.150 | -2.2 | 113 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 0.419 | 0.468 | -11.7 | 122 | -0.02 |
| 83 | | Chrysene | 1.114 | 1.106 | 0.7 | 111 | -0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.601 | 0.723 | -20.3 | 131 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.018 | 1.200 | -17.9 | 129 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.246 | 1.111 | 10.8 | 101 | -0.04 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 110 | -0.04 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.093 | 1.168 | -6.9 | 116 | -0.03 |
| 89 | Benzo(k)fluoranthene | 1.097 | 1.106 | -0.8 | 108 | -0.02 |
| 90 C | Benzo(a)pyrene | 1.038 | 1.074 | -3.5 | 111 | -0.04 |
| 91 | Dibenzo(a,h)anthracene | 1.031 | 0.968 | 6.1 | 102 | -0.05 |
| 92 | Benzo(g,h,i)perylene | 1.022 | 0.909 | 11.1 | 98 | -0.05 |

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