# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF081519\
Data File : BF116271.D
Acq On : 15 Aug 2019 11:32
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Aug 15 15:05:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 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 | 105 | 0.00 |
| 2 | | 1,4-Dioxane | 0.604 | 0.619 | -2.5 | 110 | -0.02 |
| 3 | | Pyridine | 1.686 | 1.591 | 5.6 | 100 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.665 | 0.619 | 6.9 | 98 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.195 | 1.303 | -9.0 | 113 | 0.00 |
| 6 | | Aniline | 2.159 | 2.141 | 0.8 | 102 | 0.00 |
| 7 | S | Phenol-d6 | 1.507 | 1.585 | -5.2 | 110 | 0.00 |
| 8 | | 2-Chlorophenol | 1.321 | 1.453 | -10.0 | 114 | 0.00 |
| 9 | | Benzaldehyde | 1.040 | 0.994 | 4.4 | 99 | 0.00 |
| 10 | C | Phenol | 1.775 | 1.841 | -3.7 | 108 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.305 | 1.407 | -7.8 | 112 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.527 | 1.592 | -4.3 | 108 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.529 | 1.620 | -6.0 | 110 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.408 | 1.479 | -5.0 | 107 | 0.00 |
| 15 | | Benzyl Alcohol | 1.144 | 1.126 | 1.6 | 100 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.780 | 1.833 | -3.0 | 106 | 0.00 |
| 17 | | 2-Methylphenol | 1.119 | 1.183 | -5.7 | 112 | 0.00 |
| 18 | | Hexachloroethane | 0.563 | 0.595 | -5.7 | 109 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.934 | 0.954 | -2.1 | 108 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.324 | 1.408 | -6.3 | 108 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 22 | | Acetophenone | 0.439 | 0.447 | -1.8 | 107 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.346 | 0.353 | -2.0 | 108 | 0.00 |
| 24 | | Nitrobenzene | 0.374 | 0.395 | -5.6 | 112 | 0.00 |
| 25 | | Isophorone | 0.663 | 0.714 | -7.7 | 115 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.176 | 0.194 | -10.2 | 116 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.265 | 0.277 | -4.5 | 110 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.411 | 0.442 | -7.5 | 114 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.280 | 0.308 | -10.0 | 114 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.334 | -4.7 | 110 | 0.00 |
| 31 | | Naphthalene | 0.941 | 0.990 | -5.2 | 109 | 0.00 |
| 32 | | Benzoic acid | 0.187 | 0.182 | 2.7 | 113 | 0.01 |
| 33 | | 4-Chloroaniline | 0.421 | 0.425 | -1.0 | 106 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.184 | 0.191 | -3.8 | 109 | 0.00 |
| 35 | | Caprolactam | 0.091 | 0.099 | -8.8 | 114 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.320 | -10.0 | 116 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.620 | 0.648 | -4.5 | 109 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.586 | 0.615 | -4.9 | 110 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.535 | 0.555 | -3.7 | 111 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.209 | 0.196 | 6.2 | 98 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.194 | 0.205 | -5.7 | 113 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.368 | 0.361 | 1.9 | 105 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.380 | 0.378 | 0.5 | 107 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.068 | 1.038 | 2.8 | 103 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.412 | 1.442 | -2.1 | 109 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.175 | 1.174 | 0.1 | 107 | 0.00 |
| 48 | | 2-Nitroaniline | 0.388 | 0.395 | -1.8 | 110 | 0.00 |
| 49 | | Acenaphthylene | 1.715 | 1.740 | -1.5 | 108 | 0.00 |
| 50 | | Dimethylphthalate | 1.362 | 1.407 | -3.3 | 111 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.296 | 0.309 | -4.4 | 112 | 0.00 |
| 52 | C | Acenaphthene | 1.052 | 1.065 | -1.2 | 108 | 0.00 |
| 53 | | 3-Nitroaniline | 0.366 | 0.374 | -2.2 | 111 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.126 | 0.124 | 1.6 | 104 | 0.00 |
| 55 | | Dibenzofuran | 1.530 | 1.481 | 3.2 | 102 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.234 | 0.228 | 2.6 | 104 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.394 | 0.379 | 3.8 | 102 | 0.00 |
| 58 | | Fluorene | 1.177 | 1.228 | -4.3 | 111 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.320 | 0.312 | 2.5 | 105 | 0.00 |
| 60 | | Diethylphthalate | 1.271 | 1.331 | -4.7 | 111 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.596 | 0.622 | -4.4 | 110 | 0.00 |
| 62 | | 4-Nitroaniline | 0.378 | 0.364 | 3.7 | 103 | 0.00 |
| 63 | | Azobenzene | 1.308 | 1.362 | -4.1 | 111 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.106 | 0.117 | -10.4 | 115 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.602 | 0.630 | -4.7 | 112 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.214 | 0.224 | -4.7 | 111 | 0.00 |
| 68 | | Hexachlorobenzene | 0.248 | 0.254 | -2.4 | 109 | 0.00 |
| 69 | | Atrazine | 0.198 | 0.167 | 15.7 | 90 | 0.00 |
| 70 | C | Pentachlorophenol | 0.120 | 0.120 | 0.0 | 104 | 0.00 |
| 71 | | Phenanthrene | 1.022 | 1.053 | -3.0 | 109 | 0.00 |
| 72 | | Anthracene | 1.035 | 1.072 | -3.6 | 111 | 0.00 |
| 73 | | Carbazole | 0.939 | 1.007 | -7.2 | 114 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.095 | 1.196 | -9.2 | 113 | 0.00 |
| 75 | C | Fluoranthene | 1.070 | 1.124 | -5.0 | 112 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 77 | | Benzidine | 0.676 | 0.665 | 1.6 | 98 | 0.00 |
| 78 | | Pyrene | 1.508 | 1.546 | -2.5 | 112 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.949 | 0.932 | 1.8 | 107 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.638 | 0.701 | -9.9 | 117 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.278 | 1.372 | -7.4 | 115 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.444 | 0.492 | -10.8 | 116 | 0.00 |
| 83 | | Chrysene | 1.241 | 1.300 | -4.8 | 112 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.829 | 0.937 | -13.0 | 119 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.316 | 1.508 | -14.6 | 119 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.042 | 1.266 | -21.5 | 136 | 0.01 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.156 | 1.119 | 3.2 | 112 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.126 | 1.136 | -0.9 | 127 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.034 | 1.066 | -3.1 | 125 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 0.895 | 0.977 | -9.2 | 138 | 0.01 |
| 92 | Benzo(g,h,i)perylene | 0.879 | 0.967 | -10.0 | 143 | 0.00 |

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