# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF082415\
Data File : BF081162.D
Acq On : 24 Aug 2015 11:01
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 24 14:33:06 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
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 | 123 | 0.00 |
| 2 | | 1,4-Dioxane | 0.627 | 0.620 | 1.1 | 118 | 0.00 |
| 3 | | Pyridine | 1.769 | 1.954 | -10.5 | 120 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.985 | 1.019 | -3.5 | 124 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.330 | 1.276 | 4.1 | 122 | 0.00 |
| 6 | | Aniline | 2.523 | 2.508 | 0.6 | 125 | 0.00 |
| 7 | S | Phenol-d6 | 1.735 | 1.733 | 0.1 | 116 | 0.00 |
| 8 | | 2-Chlorophenol | 1.455 | 1.478 | -1.6 | 115 | 0.00 |
| 9 | | Benzaldehyde | 1.118 | 1.107 | 1.0 | 113 | 0.00 |
| 10 | C | Phenol | 2.049 | 2.085 | -1.8 | 112 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.572 | 1.434 | 8.8 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.564 | 1.620 | -3.6 | 126 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.549 | 1.649 | -6.5 | 132 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.449 | 1.358 | 6.3 | 106 | 0.00 |
| 15 | | Benzyl Alcohol | 1.404 | 1.355 | 3.5 | 127 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 3.089 | 3.141 | -1.7 | 120 | 0.00 |
| 17 | | 2-Methylphenol | 1.249 | 1.337 | -7.0 | 126 | 0.00 |
| 18 | | Hexachloroethane | 0.626 | 0.612 | 2.2 | 116 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.202 | 1.316 | -9.5 | 126 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.585 | 1.686 | -6.4 | 131 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 22 | | Acetophenone | 0.525 | 0.525 | 0.0 | 124 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.438 | 0.448 | -2.3 | 137 | 0.00 |
| 24 | | Nitrobenzene | 0.458 | 0.388 | 15.3 | 106 | 0.00 |
| 25 | | Isophorone | 0.816 | 0.829 | -1.6 | 133 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.190 | 0.200 | -5.3 | 144 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.337 | 0.350 | -3.9 | 125 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.482 | 0.504 | -4.6 | 138 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.284 | 0.267 | 6.0 | 118 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.315 | 0.291 | 7.6 | 115 | 0.00 |
| 31 | | Naphthalene | 1.115 | 1.121 | -0.5 | 131 | 0.00 |
| 32 | | Benzoic acid | 0.189 | 0.213 | -12.7 | 173# | 0.00 |
| 33 | | 4-Chloroaniline | 0.470 | 0.472 | -0.4 | 142 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.178 | 0.189 | -6.2 | 137 | 0.00 |
| 35 | | Caprolactam | 0.099 | 0.103 | -4.0 | 131 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.338 | 0.322 | 4.7 | 123 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.704 | 0.632 | 10.2 | 114 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 137 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.645 | 0.658 | -2.0 | 139 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.334 | 0.328 | 1.8 | 125 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.173 | 0.156 | 9.8 | 128 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.456 | 0.460 | -0.9 | 138 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.456 | 0.432 | 5.3 | 115 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.526 | 1.441 | 5.6 | 143 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.762 | 1.761 | 0.1 | 123 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.415 | 1.386 | 2.0 | 137 | 0.00 |
| 47 | | 2-Nitroaniline | 0.579 | 0.600 | -3.6 | 138 | 0.00 |
| 48 | | Acenaphthylene | 2.532 | 2.340 | 7.6 | 134 | 0.00 |
| 49 | | Dimethylphthalate | 1.647 | 1.536 | 6.7 | 118 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.354 | 0.315 | 11.0 | 112 | 0.00 |
| 51 | C | Acenaphthene | 1.516 | 1.347 | 11.1 | 124 | 0.00 |
| 52 | | 3-Nitroaniline | 0.443 | 0.486 | -9.7 | 153# | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.167 | 0.208 | -24.6 | 162# | 0.00 |
| 54 | | Dibenzofuran | 2.031 | 1.813 | 10.7 | 129 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.311 | 0.317 | -1.9 | 145 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.469 | 0.418 | 10.9 | 118 | 0.00 |
| 57 | | Fluorene | 1.562 | 1.365 | 12.6 | 126 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.353 | 0.337 | 4.5 | 119 | 0.00 |
| 59 | | Diethylphthalate | 1.743 | 1.657 | 4.9 | 126 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.661 | 0.625 | 5.4 | 127 | 0.00 |
| 61 | | 4-Nitroaniline | 0.452 | 0.444 | 1.8 | 136 | 0.00 |
| 62 | | Azobenzene | 2.009 | 2.066 | -2.8 | 130 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 137 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.140 | -17.6 | 145 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.714 | 0.740 | -3.6 | 137 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.196 | 0.185 | 5.6 | 132 | 0.00 |
| 67 | | Hexachlorobenzene | 0.199 | 0.204 | -2.5 | 131 | 0.00 |
| 68 | | Atrazine | 0.199 | 0.159 | 20.1 | 110 | 0.00 |
| 69 | C | Pentachlorophenol | 0.119 | 0.124 | -4.2 | 140 | 0.00 |
| 70 | | Phenanthrene | 1.185 | 1.003 | 15.4 | 119 | 0.00 |
| 71 | | Anthracene | 1.153 | 1.177 | -2.1 | 136 | 0.00 |
| 72 | | Carbazole | 1.110 | 1.134 | -2.2 | 124 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.344 | 1.345 | -0.1 | 132 | 0.00 |
| 74 | C | Fluoranthene | 1.279 | 1.233 | 3.6 | 127 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 150# | 0.00 |
| 76 | | Benzidine | 0.756 | 0.698 | 7.7 | 113 | 0.00 |
| 77 | | Pyrene | 1.626 | 1.531 | 5.8 | 150 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.933 | 0.873 | 6.4 | 134 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.699 | 0.665 | 4.9 | 129 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.341 | 1.313 | 2.1 | 139 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.434 | 0.477 | -9.9 | 165# | 0.00 |
| 82 | | Chrysene | 1.209 | 0.997 | 17.5 | 115 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.895 | 0.914 | -2.1 | 146 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.361 | 1.542 | -13.3 | 158# | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.849 | 0.866 | -2.0 | 146 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 159# | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.415 | 1.578 | -11.5 | 162# | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.318 | 1.087 | 17.5 | 142 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.233 | 1.252 | -1.5 | 160# | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.960 | 0.910 | 5.2 | 146 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.974 | 0.868 | 10.9 | 139 | 0.00 |

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