# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080681.D
Acq On : 27 Jul 2015 19:39
Operator : TP/UM
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF072715

Quant Time: Jul 28 06:12:30 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 28 05:06:30 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 | 97 | 0.00 |
| 2 | | 1,4-Dioxane | 0.530 | 0.597 | -12.6 | 118 | 0.01 |
| 3 | | Pyridine | 1.338 | 1.407 | -5.2 | 101 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 0.851 | 0.872 | -2.5 | 107 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.256 | 1.250 | 0.5 | 97 | 0.00 |
| 6 | | Aniline | 1.914 | 1.997 | -4.3 | 103 | 0.00 |
| 7 | S | Phenol-d6 | 1.351 | 1.338 | 1.0 | 98 | 0.00 |
| 8 | | 2-Chlorophenol | 1.246 | 1.230 | 1.3 | 97 | 0.00 |
| 9 | | Benzaldehyde | 0.915 | 0.921 | -0.7 | 99 | 0.00 |
| 10 | C | Phenol | 1.529 | 1.551 | -1.4 | 99 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.101 | 1.120 | -1.7 | 103 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.513 | 1.535 | -1.5 | 98 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.482 | 1.438 | 3.0 | 97 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.406 | 1.402 | 0.3 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 1.105 | 1.053 | 4.7 | 93 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.064 | 2.028 | 1.7 | 98 | 0.00 |
| 17 | | 2-Methylphenol | 0.873 | 0.825 | 5.5 | 93 | 0.00 |
| 18 | | Hexachloroethane | 0.494 | 0.480 | 2.8 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.795 | 0.743 | 6.5 | 97 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.193 | 1.212 | -1.6 | 97 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 22 | | Acetophenone | 0.515 | 0.484 | 6.0 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.389 | 0.415 | -6.7 | 100 | 0.00 |
| 24 | | Nitrobenzene | 0.384 | 0.382 | 0.5 | 97 | 0.00 |
| 25 | | Isophorone | 0.606 | 0.588 | 3.0 | 92 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.155 | 0.153 | 1.3 | 95 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.299 | 0.287 | 4.0 | 99 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.356 | 0.361 | -1.4 | 100 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.252 | 0.241 | 4.4 | 93 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.314 | 2.2 | 96 | -0.01 |
| 31 | | Naphthalene | 0.984 | 0.950 | 3.5 | 94 | 0.00 |
| 32 | | Benzoic acid | 0.147 | 0.141 | 4.1 | 97 | 0.00 |
| 33 | | 4-Chloroaniline | 0.354 | 0.359 | -1.4 | 99 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.200 | 0.199 | 0.5 | 99 | 0.00 |
| 35 | | Caprolactam | 0.051 | 0.052 | -2.0 | 107 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.256 | 0.243 | 5.1 | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.628 | 0.622 | 1.0 | 95 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.736 | 0.682 | 7.3 | 96 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.470 | 0.450 | 4.3 | 100 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.175 | 0.169 | 3.4 | 107 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.486 | 0.498 | -2.5 | 103 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.449 | 0.436 | 2.9 | 98 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.587 | 1.600 | -0.8 | 103 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.680 | 1.568 | 6.7 | 97 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.405 | 1.346 | 4.2 | 97 | 0.00 |
| 47 | | 2-Nitroaniline | 0.331 | 0.333 | -0.6 | 105 | 0.00 |
| 48 | | Acenaphthylene | 2.212 | 2.136 | 3.4 | 98 | 0.00 |
| 49 | | Dimethylphthalate | 1.300 | 1.344 | -3.4 | 110 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.257 | 0.243 | 5.4 | 100 | 0.00 |
| 51 | C | Acenaphthene | 1.301 | 1.216 | 6.5 | 99 | 0.00 |
| 52 | | 3-Nitroaniline | 0.292 | 0.303 | -3.8 | 106 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.066 | 0.065 | 1.5 | 121 | 0.00 |
| 54 | | Dibenzofuran | 1.785 | 1.784 | 0.1 | 104 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.196 | 0.207 | -5.6 | 119 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.293 | 0.280 | 4.4 | 108 | 0.00 |
| 57 | | Fluorene | 1.357 | 1.361 | -0.3 | 105 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.300 | 0.307 | -2.3 | 102 | 0.00 |
| 59 | | Diethylphthalate | 1.235 | 1.258 | -1.9 | 112 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.597 | 0.560 | 6.2 | 99 | 0.00 |
| 61 | | 4-Nitroaniline | 0.249 | 0.258 | -3.6 | 115 | 0.00 |
| 62 | | Azobenzene | 1.208 | 1.176 | 2.6 | 104 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.075 | 0.077 | -2.7 | 125 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.683 | 0.705 | -3.2 | 113 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.214 | 0.218 | -1.9 | 113 | 0.00 |
| 67 | | Hexachlorobenzene | 0.251 | 0.249 | 0.8 | 114 | 0.00 |
| 68 | | Atrazine | 0.132 | 0.161 | -22.0 | 128 | 0.00 |
| 69 | C | Pentachlorophenol | 0.099 | 0.104 | -5.1 | 116 | 0.00 |
| 70 | | Phenanthrene | 1.142 | 1.184 | -3.7 | 114 | 0.00 |
| 71 | | Anthracene | 1.110 | 1.126 | -1.4 | 113 | 0.00 |
| 72 | | Carbazole | 0.927 | 0.921 | 0.6 | 113 | 0.00 |
| 73 | | Di-n-butylphthalate | 0.945 | 1.083 | -14.6 | 125 | 0.00 |
| 74 | C | Fluoranthene | 0.895 | 0.956 | -6.8 | 122 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 76 | | Benzidine | 0.551 | 0.558 | -1.3 | 127 | 0.00 |
| 77 | | Pyrene | 1.674 | 1.617 | 3.4 | 121 | 0.00 |
| 78 | S | Terphenyl-d14 | 1.168 | 1.124 | 3.8 | 128 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.485 | 0.468 | 3.5 | 134 | 0.01 |
| 80 | | Benzo(a)anthracene | 1.158 | 1.132 | 2.2 | 128 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.303 | 0.303 | 0.0 | 132 | 0.00 |
| 82 | | Chrysene | 1.156 | 1.132 | 2.1 | 130 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.595 | 0.578 | 2.9 | 135 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 0.714 | 0.659 | 7.7 | 124 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.487 | 0.476 | 2.3 | 112 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 118 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.456 | 1.346 | 7.6 | 101 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.335 | 1.447 | -8.4 | 158# | -0.01 |
| 89 C | Benzo(a)pyrene | 1.113 | 1.126 | -1.2 | 119 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.765 | 0.760 | 0.7 | 109 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 0.742 | 0.726 | 2.2 | 111 | -0.02 |

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