# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041415\
Data File : BF078525.D
Acq On : 15 Apr 2015 3:40
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

Quant Time: Apr 15 05:14:57 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 15 01:10:59 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 98 | -0.08 |
| 2 | | 1,4-Dioxane | 40.000 | 75.639 | -89.1# | 186 | -0.15 |
| 3 | | Pyridine | 40.000 | 43.832 | -9.6 | 103 | -0.21 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.542 | -6.4 | 107 | -0.20 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.135 | -1.4 | 101 | -0.12 |
| 6 | | Aniline | 40.000 | 45.131 | -12.8 | 114 | -0.08 |
| 7 | S | Phenol-d6 | 80.000 | 83.605 | -4.5 | 105 | -0.07 |
| 8 | | 2-Chlorophenol | 40.000 | 40.706 | -1.8 | 101 | -0.09 |
| 9 | | Benzaldehyde | 40.000 | 37.877 | 5.3 | 92 | -0.10 |
| 10 | C | Phenol | 40.000 | 41.232 | -3.1 | 103 | -0.07 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.124 | -5.3 | 102 | -0.08 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.133 | 2.2 | 99 | -0.08 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.110 | 2.2 | 100 | -0.09 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.696 | 3.3 | 98 | -0.09 |
| 15 | | Benzyl Alcohol | 40.000 | 49.026 | -22.6 | 122 | -0.07 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.202 | -3.0 | 103 | -0.08 |
| 17 | | 2-Methylphenol | 40.000 | 43.700 | -9.3 | 107 | -0.07 |
| 18 | | Hexachloroethane | 40.000 | 36.661 | 8.3 | 92 | -0.09 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.960 | -9.9 | 108 | -0.08 |
| 20 | | 3+4-Methylphenols | 40.000 | 45.351 | -13.4 | 110 | -0.07 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 112 | -0.08 |
| 22 | | Acetophenone | 40.000 | 40.617 | -1.5 | 112 | -0.08 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.448 | 0.7 | 110 | -0.08 |
| 24 | | Nitrobenzene | 40.000 | 39.903 | 0.2 | 113 | -0.09 |
| 25 | | Isophorone | 40.000 | 42.277 | -5.7 | 113 | -0.08 |
| 26 | C | 2-Nitrophenol | 40.000 | 29.118 | 27.2# | 74 | -0.08 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.004 | 2.5 | 106 | -0.07 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.462 | 6.3 | 102 | -0.07 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.750 | -1.9 | 112 | -0.08 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 35.827 | 10.4 | 102 | -0.09 |
| 31 | | Naphthalene | 40.000 | 37.756 | 5.6 | 106 | -0.09 |
| 32 | | Benzoic acid | 40.000 | 46.742 | -16.9 | 134 | -0.06 |
| 33 | | 4-Chloroaniline | 40.000 | 41.717 | -4.3 | 111 | -0.08 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.257 | 6.9 | 103 | -0.09 |
| 35 | | Caprolactam | 40.000 | 46.863 | -17.2 | 122 | -0.04 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.538 | -8.8 | 117 | -0.07 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.682 | 5.8 | 105 | -0.09 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 119 | -0.09 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 35.544 | 11.1 | 104 | -0.09 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 10.745 | 73.1# | 14 | -0.09 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 86.446 | -8.1 | 122 | -0.10 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.437 | -6.1 | 122 | -0.08 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.151 | -2.9 | 119 | -0.08 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 71.655 | 10.4 | 108 | -0.08 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 35.850 | 10.4 | 106 | -0.09 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.933 | 7.7 | 110 | -0.09 |
| 47 | | 2-Nitroaniline | 40.000 | 45.265 | -13.2 | 128 | -0.08 |
| 48 | | Acenaphthylene | 40.000 | 38.186 | 4.5 | 112 | -0.10 |
| 49 | | Dimethylphthalate | 40.000 | 38.426 | 3.9 | 116 | -0.08 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.524 | 6.2 | 107 | -0.08 |
| 51 | C | Acenaphthene | 40.000 | 37.560 | 6.1 | 114 | -0.09 |
| 52 | | 3-Nitroaniline | 40.000 | 49.719 | -24.3 | 136 | -0.08 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 0.000 | 100.0# | 0 | -10.74# |
| 54 | | Dibenzofuran | 40.000 | 38.456 | 3.9 | 116 | -0.09 |
| 55 | P | 4-Nitrophenol | 40.000 | 49.942 | -24.9 | 151 | -0.05 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.319 | 1.7 | 110 | -0.08 |
| 57 | | Fluorene | 40.000 | 40.646 | -1.6 | 120 | -0.09 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 45.262 | -13.2 | 128 | -0.09 |
| 59 | | Diethylphthalate | 40.000 | 40.230 | -0.6 | 117 | -0.08 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.703 | 3.2 | 116 | -0.10 |
| 61 | | 4-Nitroaniline | 40.000 | 55.771 | -39.4# | 150 | -0.08 |
| 62 | | Azobenzene | 40.000 | 43.649 | -9.1 | 130 | -0.09 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 134 | -0.10 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 8.941 | 77.6# | 2 | -0.07 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.726 | 5.7 | 123 | -0.09 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.065 | 7.3 | 120 | -0.09 |
| 67 | | Hexachlorobenzene | 40.000 | 35.205 | 12.0 | 115 | -0.10 |
| 68 | | Atrazine | 40.000 | 36.395 | 9.0 | 112 | -0.08 |
| 69 | C | Pentachlorophenol | 40.000 | 47.184 | -18.0 | 160 | -0.09 |
| 70 | | Phenanthrene | 40.000 | 38.764 | 3.1 | 126 | -0.10 |
| 71 | | Anthracene | 40.000 | 38.822 | 2.9 | 126 | -0.10 |
| 72 | | Carbazole | 40.000 | 38.666 | 3.3 | 121 | -0.10 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.887 | 0.3 | 124 | -0.09 |
| 74 | C | Fluoranthene | 40.000 | 42.799 | -7.0 | 140 | -0.10 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 141 | -0.11 |
| 76 | | Benzidine | 40.000 | 31.150 | 22.1 | 107 | -0.10 |
| 77 | | Pyrene | 40.000 | 37.824 | 5.4 | 134 | -0.11 |
| 78 | S | Terphenyl-d14 | 80.000 | 71.660 | 10.4 | 126 | -0.10 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.955 | -7.4 | 141 | -0.10 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.214 | 4.5 | 129 | -0.11 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 42.492 | -6.2 | 145 | -0.11 |
| 82 | | Chrysene | 40.000 | 38.921 | 2.7 | 142 | -0.11 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.965 | 2.6 | 128 | -0.11 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.672 | -6.7 | 140 | -0.12 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.991 | -2.5 | 142 | -0.26 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 151 | -0.17 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.693 | 0.8 | 155 | -0.16 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.227 | 6.9 | 138 | -0.15 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.959 | 2.6 | 144 | -0.17 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.276 | 4.3 | 143 | -0.27 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.192 | 7.0 | 140 | -0.31 |

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