# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF091415\
Data File : BF081621.D
Acq On : 15 Sep 2015 1:32
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 15 04:13:07 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 14 13:51:56 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 | 108 | 0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 45.481 | -13.7 | 124 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.882 | 5.3 | 89 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.906 | -4.8 | 107 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 76.831 | 4.0 | 109 | 0.00 |
| 6 | | Aniline | 40.000 | 38.663 | 3.3 | 104 | 0.01 |
| 7 | S | Phenol-d6 | 80.000 | 79.765 | 0.3 | 106 | 0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 39.123 | 2.2 | 106 | 0.01 |
| 9 | | Benzaldehyde | 40.000 | 35.667 | 10.8 | 96 | 0.00 |
| 10 | C | Phenol | 40.000 | 34.982 | 12.5 | 86 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.724 | 0.7 | 107 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.132 | 2.2 | 108 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.344 | 1.6 | 107 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.808 | -2.0 | 112 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.932 | 0.2 | 102 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.369 | -8.4 | 122 | 0.01 |
| 17 | | 2-Methylphenol | 40.000 | 40.034 | -0.1 | 106 | 0.01 |
| 18 | | Hexachloroethane | 40.000 | 32.873 | 17.8 | 88 | 0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.932 | -4.8 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.957 | 0.1 | 109 | 0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 113 | 0.01 |
| 22 | | Acetophenone | 40.000 | 39.812 | 0.5 | 108 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.718 | -3.4 | 114 | 0.01 |
| 24 | | Nitrobenzene | 40.000 | 41.322 | -3.3 | 111 | 0.01 |
| 25 | | Isophorone | 40.000 | 41.165 | -2.9 | 117 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.356 | 6.6 | 110 | 0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.889 | 0.3 | 100 | 0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.445 | -3.6 | 104 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.901 | 0.2 | 109 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.377 | -3.4 | 110 | 0.01 |
| 31 | | Naphthalene | 40.000 | 40.083 | -0.2 | 112 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 16.478 | 58.8# | 39 | -0.05 |
| 33 | | 4-Chloroaniline | 40.000 | 40.666 | -1.7 | 100 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.174 | -7.9 | 126 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.776 | 0.6 | 107 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.427 | -6.1 | 119 | 0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.034 | -0.1 | 121 | 0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 109 | 0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.683 | -1.7 | 108 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 1.749 | 95.6# | 5 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 72.494 | 9.4 | 95 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.223 | -3.1 | 115 | 0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.783 | 0.5 | 106 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 85.114 | -6.4 | 111 | 0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.826 | 0.4 | 121 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.692 | -1.7 | 104 | 0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 43.360 | -8.4 | 115 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.706 | 0.7 | 119 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 43.336 | -8.3 | 123 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.411 | 6.5 | 96 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.480 | 3.8 | 117 | 0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 40.603 | -1.5 | 109 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 9.478 | 76.3# | 9 | 0.03 |
| 54 | | Dibenzofuran | 40.000 | 39.484 | 1.3 | 117 | 0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 33.902 | 15.2 | 79 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.440 | 3.9 | 104 | 0.01 |
| 57 | | Fluorene | 40.000 | 41.416 | -3.5 | 106 | 0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 36.358 | 9.1 | 103 | 0.01 |
| 59 | | Diethylphthalate | 40.000 | 44.176 | -10.4 | 120 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 43.388 | -8.5 | 123 | 0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 37.011 | 7.5 | 107 | -0.01 |
| 62 | | Azobenzene | 40.000 | 41.010 | -2.5 | 106 | 0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 101 | 0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 8.497 | 78.8# | 18 | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.380 | -6.0 | 106 | 0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 44.391 | -11.0 | 125 | 0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 39.991 | 0.0 | 107 | 0.02 |
| 68 | | Atrazine | 40.000 | 39.814 | 0.5 | 103 | 0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 32.349 | 19.1 | 83 | 0.01 |
| 70 | | Phenanthrene | 40.000 | 39.086 | 2.3 | 95 | 0.00 |
| 71 | | Anthracene | 40.000 | 37.834 | 5.4 | 98 | 0.01 |
| 72 | | Carbazole | 40.000 | 36.601 | 8.5 | 98 | 0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 47.661 | -19.2 | 127 | 0.01 |
| 74 | C | Fluoranthene | 40.000 | 32.775 | 18.1 | 88 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 77 | 0.00 |
| 76 | | Benzidine | 40.000 | 46.495 | -16.2 | 102 | 0.01 |
| 77 | | Pyrene | 40.000 | 39.252 | 1.9 | 78 | 0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 85.319 | -6.6 | 100 | 0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 45.474 | -13.7 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.636 | 0.9 | 79 | 0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 45.066 | -12.7 | 100 | 0.01 |
| 82 | | Chrysene | 40.000 | 42.769 | -6.9 | 105 | 0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 47.830 | -19.6 | 106 | 0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 45.858 | -14.6 | 99 | 0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 29.233 | 26.9# | 62 | 0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 78 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.394 | -3.5 | 66 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 44.243 | -10.6 | 104 | 0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.510 | -1.3 | 84 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 33.122 | 17.2 | 64 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 30.049 | 24.9 | 60 | 0.01 |

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