# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF052915\
Data File : BF079580.D
Acq On : 30 May 2015 00:53
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 30 01:31:36 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 23:13:06 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 | 120 | 0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 41.245 | -3.1 | 124 | 0.08 |
| 3 | | Pyridine | 40.000 | 42.010 | -5.0 | 122 | 0.08 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.860 | -4.6 | 132 | 0.08 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.696 | -3.4 | 122 | 0.06 |
| 6 | | Aniline | 40.000 | 41.046 | -2.6 | 121 | 0.05 |
| 7 | S | Phenol-d6 | 80.000 | 81.313 | -1.6 | 118 | 0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 41.448 | -3.6 | 118 | 0.05 |
| 9 | | Benzaldehyde | 40.000 | 40.855 | -2.1 | 119 | 0.05 |
| 10 | C | Phenol | 40.000 | 40.049 | -0.1 | 115 | 0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.259 | -5.6 | 126 | 0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.703 | -1.8 | 119 | 0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.386 | -3.5 | 122 | 0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.538 | -1.3 | 119 | 0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 41.502 | -3.8 | 125 | 0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.408 | 1.5 | 118 | 0.05 |
| 17 | | 2-Methylphenol | 40.000 | 41.031 | -2.6 | 119 | 0.05 |
| 18 | | Hexachloroethane | 40.000 | 40.570 | -1.4 | 116 | 0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.235 | -0.6 | 123 | 0.05 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.857 | 0.4 | 116 | 0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 118 | 0.05 |
| 22 | | Acetophenone | 40.000 | 41.687 | -4.2 | 123 | 0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.333 | -5.4 | 122 | 0.05 |
| 24 | | Nitrobenzene | 40.000 | 41.959 | -4.9 | 126 | 0.05 |
| 25 | | Isophorone | 40.000 | 40.474 | -1.2 | 116 | 0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.150 | -7.9 | 122 | 0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.662 | -1.7 | 117 | 0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.745 | -1.9 | 119 | 0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.820 | -7.1 | 125 | 0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.566 | -6.4 | 123 | 0.05 |
| 31 | | Naphthalene | 40.000 | 40.822 | -2.1 | 120 | 0.05 |
| 32 | | Benzoic acid | 40.000 | 41.264 | -3.2 | 117 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 42.837 | -7.1 | 123 | 0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.137 | -2.8 | 117 | 0.03 |
| 35 | | Caprolactam | 40.000 | 38.208 | 4.5 | 107 | 0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.789 | -7.0 | 124 | 0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.640 | -4.1 | 122 | 0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 118 | 0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.842 | -7.1 | 123 | 0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.987 | 10.0 | 105 | 0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 84.723 | -5.9 | 119 | 0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.112 | -2.8 | 115 | 0.05 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.291 | -8.2 | 128 | 0.05 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 80.569 | -0.7 | 114 | 0.05 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.814 | -4.5 | 119 | 0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.716 | -4.3 | 116 | 0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 40.135 | -0.3 | 114 | 0.05 |
| 48 | | Acenaphthylene | 40.000 | 40.582 | -1.5 | 116 | 0.03 |
| 49 | | Dimethylphthalate | 40.000 | 39.538 | 1.2 | 116 | 0.05 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.373 | -8.4 | 124 | 0.05 |
| 51 | C | Acenaphthene | 40.000 | 40.671 | -1.7 | 118 | 0.05 |
| 52 | | 3-Nitroaniline | 40.000 | 39.964 | 0.1 | 116 | 0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 38.721 | 3.2 | 120 | 0.05 |
| 54 | | Dibenzofuran | 40.000 | 40.808 | -2.0 | 118 | 0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 31.964 | 20.1 | 105 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.827 | -2.1 | 113 | 0.05 |
| 57 | | Fluorene | 40.000 | 40.987 | -2.5 | 115 | 0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.689 | -4.2 | 117 | 0.03 |
| 59 | | Diethylphthalate | 40.000 | 39.949 | 0.1 | 116 | 0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.006 | -2.5 | 115 | 0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 40.034 | -0.1 | 116 | 0.05 |
| 62 | | Azobenzene | 40.000 | 37.665 | 5.8 | 112 | 0.05 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 114 | 0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.363 | 4.1 | 111 | 0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.751 | -1.9 | 112 | 0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 43.311 | -8.3 | 117 | 0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 43.394 | -8.5 | 120 | 0.05 |
| 68 | | Atrazine | 40.000 | 41.080 | -2.7 | 110 | 0.05 |
| 69 | C | Pentachlorophenol | 40.000 | 36.964 | 7.6 | 105 | 0.05 |
| 70 | | Phenanthrene | 40.000 | 40.443 | -1.1 | 113 | 0.03 |
| 71 | | Anthracene | 40.000 | 40.641 | -1.6 | 112 | 0.05 |
| 72 | | Carbazole | 40.000 | 38.863 | 2.8 | 108 | 0.05 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.237 | -5.6 | 111 | 0.05 |
| 74 | C | Fluoranthene | 40.000 | 38.603 | 3.5 | 107 | 0.05 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 105 | 0.05 |
| 76 | | Benzidine | 40.000 | 53.941 | -34.9# | 143 | 0.05 |
| 77 | | Pyrene | 40.000 | 40.755 | -1.9 | 107 | 0.05 |
| 78 | S | Terphenyl-d14 | 80.000 | 81.096 | -1.4 | 104 | 0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.314 | -0.8 | 106 | 0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.701 | 3.2 | 103 | 0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.844 | 2.9 | 101 | 0.05 |
| 82 | | Chrysene | 40.000 | 39.132 | 2.2 | 102 | 0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.661 | -1.7 | 106 | 0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.610 | 3.5 | 103 | 0.06 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 32.234 | 19.4 | 86 | 0.48 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 103 | 0.08 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 42.324 | -5.8 | 113 | 0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.964 | 0.1 | 91 | 0.07 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.488 | -6.2 | 102 | 0.07 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.701 | -6.8 | 105 | 0.10 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 43.652 | -9.1 | 104 | 0.11 |

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