# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031915\
Data File : BF077861.D
Acq On : 20 Mar 2015 7:39
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 20 08:14:46 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 20 06:30:20 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 | 129 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 35.486 | 11.3 | 114 | -0.01 |
| 3 | | Pyridine | 40.000 | 37.570 | 6.1 | 125 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.634 | 13.4 | 104 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.210 | 1.0 | 132 | 0.01 |
| 6 | | Aniline | 40.000 | 37.203 | 7.0 | 124 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 78.810 | 1.5 | 129 | 0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 39.742 | 0.6 | 134 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 47.903 | -19.8 | 157 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.334 | -0.8 | 135 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.824 | 2.9 | 127 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.207 | 4.5 | 129 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.325 | 4.2 | 131 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.314 | 1.7 | 134 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 40.185 | -0.5 | 132 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.152 | 2.1 | 131 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 37.275 | 6.8 | 122 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.952 | 2.6 | 134 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.388 | 6.5 | 126 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.413 | 4.0 | 129 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 125 | -0.01 |
| 22 | | Acetophenone | 40.000 | 39.102 | 2.2 | 125 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.593 | 3.0 | 126 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 39.594 | 1.0 | 131 | -0.01 |
| 25 | | Isophorone | 40.000 | 38.142 | 4.6 | 120 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.253 | -3.1 | 122 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.055 | 2.4 | 122 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.562 | 1.1 | 128 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.740 | 0.6 | 125 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.342 | 4.1 | 121 | -0.01 |
| 31 | | Naphthalene | 40.000 | 38.539 | 3.7 | 123 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.610 | -4.0 | 137 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.340 | 1.6 | 122 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.536 | 3.7 | 124 | -0.01 |
| 35 | | Caprolactam | 40.000 | 38.113 | 4.7 | 119 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.488 | 3.8 | 124 | 0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.712 | 3.2 | 121 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 123 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.492 | 6.3 | 116 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 24.346 | 39.1# | 73 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 73.645 | 7.9 | 112 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.730 | 0.7 | 118 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.324 | 1.7 | 122 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.765 | 9.0 | 116 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.350 | 4.1 | 117 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.682 | 5.8 | 119 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 40.026 | -0.1 | 116 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 38.037 | 4.9 | 120 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 37.614 | 6.0 | 118 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.897 | 5.3 | 116 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 38.831 | 2.9 | 120 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 39.781 | 0.5 | 119 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 21.986 | 45.0# | 57 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.410 | 6.5 | 116 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.945 | 5.1 | 109 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.808 | -2.0 | 125 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.765 | 5.6 | 116 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.480 | 3.8 | 117 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 38.631 | 3.4 | 119 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.282 | 9.3 | 114 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 39.946 | 0.1 | 121 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.162 | 2.1 | 112 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 124 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 23.208 | 42.0# | 68 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.737 | 3.2 | 117 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.518 | 6.2 | 113 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.386 | 6.5 | 115 | 0.00 |
| 68 | | Atrazine | 40.000 | 38.325 | 4.2 | 113 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 36.724 | 8.2 | 116 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.232 | 1.9 | 121 | -0.01 |
| 71 | | Anthracene | 40.000 | 38.605 | 3.5 | 123 | -0.01 |
| 72 | | Carbazole | 40.000 | 41.474 | -3.7 | 133 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.351 | 1.6 | 122 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 39.597 | 1.0 | 116 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 124 | -0.11 |
| 76 | | Benzidine | 40.000 | 43.281 | -8.2 | 130 | -0.01 |
| 77 | | Pyrene | 40.000 | 38.364 | 4.1 | 110 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 74.593 | 6.8 | 109 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.172 | -2.9 | 125 | -0.06 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.459 | 1.4 | 127 | -0.11 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 43.589 | -9.0 | 142 | -0.10 |
| 82 | | Chrysene | 40.000 | 39.613 | 1.0 | 123 | -0.11 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.266 | -0.7 | 127 | -0.13 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.344 | -0.9 | 129 | -0.24 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.656 | -1.6 | 136 | -0.43 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 133 | -0.35 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.591 | 8.5 | 123 | -0.27 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 43.792 | -9.5 | 154 | -0.27 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.119 | -0.3 | 136 | -0.33 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.237 | 1.9 | 133 | -0.43 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.963 | 2.6 | 130 | -0.43 |

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