Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102115\
Data File : BF082400.D
Acq On : 21 Oct 2015 12:55
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 22 15:38:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 13:20:24 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 | 159 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.150 | 9.6 | 153 | 0.00 |
| 3 | | Pyridine | 40.000 | 43.005 | -7.5 | 174 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.424 | -3.6 | 159 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.575 | -0.7 | 154 | 0.00 |
| 6 | | Aniline | 40.000 | 40.517 | -1.3 | 155 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.891 | 3.9 | 148 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.412 | 1.5 | 160 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.107 | -5.3 | 155 | 0.00 |
| 10 | C | Phenol | 40.000 | 35.803 | 10.5 | 133 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.583 | 11.0 | 139 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.252 | 6.9 | 150 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.987 | 7.5 | 146 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.595 | 8.5 | 159 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.097 | 2.3 | 150 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.919 | 5.2 | 161 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.259 | 4.4 | 154 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.320 | 4.2 | 156 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.596 | 8.5 | 151 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.976 | 7.6 | 151 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 157 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.320 | -0.8 | 162 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.374 | 3.3 | 149 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.763 | -1.9 | 177 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.960 | 2.6 | 158 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.353 | 4.1 | 135 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.478 | 3.8 | 157 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.412 | 1.5 | 145 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.902 | -4.8 | 154 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.925 | 2.7 | 154 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.067 | 4.8 | 155 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 27.932 | 30.2# | 113 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.107 | 2.2 | 146 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.068 | 12.3 | 140 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.707 | 0.7 | 147 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.701 | -6.8 | 169 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.423 | 6.4 | 145 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 148 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.243 | -3.1 | 163 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 33.447 | 16.4 | 120 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 69.854 | 12.7 | 137 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.107 | -2.8 | 164 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.469 | 1.3 | 149 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.125 | 9.8 | 127 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 37.758 | 5.6 | 153 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.213 | 7.0 | 142 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 38.840 | 2.9 | 149 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 35.377 | 11.6 | 134 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 36.580 | 8.6 | 153 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.427 | -8.6 | 156 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.195 | 9.5 | 134 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 43.810 | -9.5 | 160 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 36.090 | 9.8 | 130 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.943 | 5.1 | 142 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.681 | -1.7 | 138 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.187 | 4.5 | 139 | 0.00 |
| 57 | | Fluorene | 40.000 | 36.241 | 9.4 | 138 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 36.430 | 8.9 | 147 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.260 | -0.6 | 156 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 43.102 | -7.8 | 170 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.446 | -3.6 | 148 | 0.00 |
| 62 | | Azobenzene | 40.000 | 41.915 | -4.8 | 167 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 152 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 37.577 | 6.1 | 130 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.938 | -4.8 | 163 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.323 | 1.7 | 155 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 36.306 | 9.2 | 140 | 0.00 |
| 68 | | Atrazine | 40.000 | 33.992 | 15.0 | 144 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 35.636 | 10.9 | 123 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.739 | -1.8 | 166 | 0.00 |
| 71 | | Anthracene | 40.000 | 36.568 | 8.6 | 136 | 0.00 |
| 72 | | Carbazole | 40.000 | 35.533 | 11.2 | 140 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.006 | -0.0 | 155 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.842 | 0.4 | 150 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 132 | 0.00 |
| 76 | | Benzidine | 40.000 | 39.015 | 2.5 | 125 | 0.00 |
| 77 | | Pyrene | 40.000 | 44.709 | -11.8 | 154 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 78.402 | 2.0 | 132 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 45.970 | -14.9 | 160 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.782 | 5.5 | 130 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.730 | -4.3 | 141 | 0.00 |
| 82 | | Chrysene | 40.000 | 35.954 | 10.1 | 136 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.866 | -2.2 | 136 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.741 | 3.1 | 136 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.161 | 9.6 | 134 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 126 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.185 | -3.0 | 117 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.085 | 12.3 | 132 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.074 | 4.8 | 125 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.482 | -1.2 | 134 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.770 | -1.9 | 140 | 0.00 |

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