

Data Path : Z:\HPCHEM1\BNA F\Data\BF050316\
 Data File : BF086636.D
 Acq On : 3 May 2016 10:02
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: May 03 13:06:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 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 | 125 | -0.06 |
| 2 | 1,4-Dioxane | 40.000 | 40.764 | -1.9 | 134 | -0.07 |
| 3 | Pyridine | 40.000 | 45.067 | -12.7 | 148 | -0.09 |
| 4 | n-Nitrosodimethylamine | 40.000 | 47.472 | -18.7 | 138 | -0.08 |
| 5 S | 2-Fluorophenol | 80.000 | 78.269 | 2.2 | 126 | -0.06 |
| 6 | Aniline | 40.000 | 40.727 | -1.8 | 120 | -0.05 |
| 7 S | Phenol-d6 | 80.000 | 78.679 | 1.7 | 128 | -0.05 |
| 8 | 2-Chlorophenol | 40.000 | 38.328 | 4.2 | 122 | -0.06 |
| 9 | Benzaldehyde | 40.000 | 29.030 | 27.4# | 97 | -0.06 |
| 10 C | Phenol | 40.000 | 37.985 | 5.0 | 132 | -0.05 |
| 11 | bis(2-Chloroethyl)ether | 40.000 | 42.945 | -7.4 | 142 | -0.05 |
| 12 | 1,3-Dichlorobenzene | 40.000 | 40.135 | -0.3 | 133 | -0.06 |
| 13 C | 1,4-Dichlorobenzene | 40.000 | 40.049 | -0.1 | 136 | -0.05 |
| 14 | 1,2-Dichlorobenzene | 40.000 | 37.005 | 7.5 | 115 | -0.06 |
| 15 | Benzyl Alcohol | 40.000 | 40.009 | -0.0 | 116 | -0.06 |
| 16 | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.304 | 1.7 | 125 | -0.06 |
| 17 | 2-Methylphenol | 40.000 | 41.745 | -4.4 | 130 | -0.05 |
| 18 | Hexachloroethane | 40.000 | 39.620 | 1.0 | 130 | -0.06 |
| 19 P | n-Nitroso-di-n-propylamine | 40.000 | 42.693 | -6.7 | 145 | -0.05 |
| 20 | 3+4-Methylphenols | 40.000 | 39.732 | 0.7 | 124 | -0.05 |
| 21 I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 124 | -0.06 |
| 22 | Acetophenone | 40.000 | 40.687 | -1.7 | 127 | -0.05 |
| 23 S | Nitrobenzene-d5 | 80.000 | 85.815 | -7.3 | 132 | -0.06 |
| 24 | Nitrobenzene | 40.000 | 43.128 | -7.8 | 138 | -0.05 |
| 25 | Isophorone | 40.000 | 40.063 | -0.2 | 125 | -0.06 |
| 26 C | 2-Nitrophenol | 40.000 | 44.418 | -11.0 | 129 | -0.05 |
| 27 | 2,4-Dimethylphenol | 40.000 | 42.432 | -6.1 | 126 | -0.05 |
| 28 | bis(2-Chloroethoxy)methane | 40.000 | 42.846 | -7.1 | 135 | -0.05 |
| 29 C | 2,4-Dichlorophenol | 40.000 | 43.531 | -8.8 | 133 | -0.05 |
| 30 | 1,2,4-Trichlorobenzene | 40.000 | 39.755 | 0.6 | 126 | -0.05 |
| 31 | Naphthalene | 40.000 | 40.027 | -0.1 | 137 | -0.05 |
| 32 | Benzoic acid | 40.000 | 46.019 | -15.0 | 144 | -0.06 |
| 33 | 4-Chloroaniline | 40.000 | 42.593 | -6.5 | 127 | -0.05 |
| 34 C | Hexachlorobutadiene | 40.000 | 39.088 | 2.3 | 122 | -0.06 |
| 35 | Caprolactam | 40.000 | 44.168 | -10.4 | 129 | -0.05 |
| 36 C | 4-Chloro-3-methylphenol | 40.000 | 41.210 | -3.0 | 129 | -0.03 |
| 37 | 2-Methylnaphthalene | 40.000 | 38.495 | 3.8 | 115 | -0.06 |
| 38 I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 117 | -0.06 |
| 39 | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.826 | 0.4 | 127 | -0.05 |
| 40 P | Hexachlorocyclopentadiene | 40.000 | 44.017 | -10.0 | 133 | -0.05 |
| 41 S | 2,4,6-Tribromophenol | 80.000 | 82.544 | -3.2 | 117 | -0.05 |
| 42 C | 2,4,6-Trichlorophenol | 40.000 | 43.184 | -8.0 | 128 | -0.05 |
| 43 | 2,4,5-Trichlorophenol | 40.000 | 42.718 | -6.8 | 125 | -0.05 |
| 44 S | 2-Fluorobiphenyl | 80.000 | 93.281 | -16.6 | 137 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45 | 1,1'-Biphenyl | 40.000 | 37.291 | 6.8 | 115 | -0.06 |
| 46 | 2-Chloronaphthalene | 40.000 | 38.161 | 4.6 | 116 | -0.06 |
| 47 | 2-Nitroaniline | 40.000 | 47.912 | -19.8 | 136 | -0.05 |
| 48 | Acenaphthylene | 40.000 | 36.745 | 8.1 | 112 | -0.06 |
| 49 | Dimethylphthalate | 40.000 | 36.719 | 8.2 | 119 | -0.05 |
| 50 | 2,6-Dinitrotoluene | 40.000 | 39.316 | 1.7 | 110 | -0.06 |
| 51 C | Acenaphthene | 40.000 | 38.876 | 2.8 | 118 | -0.06 |
| 52 | 3-Nitroaniline | 40.000 | 43.178 | -7.9 | 130 | -0.05 |
| 53 P | 2,4-Dinitrophenol | 40.000 | 42.537 | -6.3 | 131 | -0.05 |
| 54 | Dibenzofuran | 40.000 | 37.163 | 7.1 | 112 | -0.06 |
| 55 P | 4-Nitrophenol | 40.000 | 43.342 | -8.4 | 126 | -0.03 |
| 56 | 2,4-Dinitrotoluene | 40.000 | 42.223 | -5.6 | 115 | -0.05 |
| 57 | Fluorene | 40.000 | 33.586 | 16.0 | 107 | -0.06 |
| 58 | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.721 | -9.3 | 128 | -0.05 |
| 59 | Diethylphthalate | 40.000 | 39.085 | 2.3 | 130 | -0.05 |
| 60 | 4-Chlorophenyl-phenylether | 40.000 | 40.135 | -0.3 | 137 | -0.05 |
| 61 | 4-Nitroaniline | 40.000 | 40.828 | -2.1 | 117 | -0.05 |
| 62 | Azobenzene | 40.000 | 42.105 | -5.3 | 131 | -0.05 |
| 63 I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 127 | -0.05 |
| 64 | 4,6-Dinitro-2-methylphenol | 40.000 | 43.543 | -8.9 | 134 | -0.05 |
| 65 c | n-Nitrosodiphenylamine | 40.000 | 39.244 | 1.9 | 120 | -0.06 |
| 66 | 4-Bromophenyl-phenylether | 40.000 | 40.559 | -1.4 | 121 | -0.05 |
| 67 | Hexachlorobenzene | 40.000 | 37.940 | 5.2 | 122 | -0.05 |
| 68 | Atrazine | 40.000 | 45.027 | -12.6 | 142 | -0.05 |
| 69 C | Pentachlorophenol | 40.000 | 43.335 | -8.3 | 128 | -0.05 |
| 70 | Phenanthrene | 40.000 | 36.420 | 8.9 | 115 | -0.06 |
| 71 | Anthracene | 40.000 | 40.266 | -0.7 | 132 | -0.05 |
| 72 | Carbazole | 40.000 | 37.532 | 6.2 | 116 | -0.06 |
| 73 | Di-n-butylphthalate | 40.000 | 42.731 | -6.8 | 128 | -0.05 |
| 74 C | Fluoranthene | 40.000 | 40.065 | -0.2 | 129 | -0.05 |
| 75 I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 118 | -0.06 |
| 76 | Benzidine | 40.000 | 36.242 | 9.4 | 103 | -0.05 |
| 77 | Pyrene | 40.000 | 41.947 | -4.9 | 122 | -0.06 |
| 78 S | Terphenyl-d14 | 80.000 | 88.642 | -10.8 | 138 | -0.05 |
| 79 | Butylbenzylphthalate | 40.000 | 41.103 | -2.8 | 121 | -0.05 |
| 80 | Benzo(a)anthracene | 40.000 | 41.878 | -4.7 | 132 | -0.06 |
| 81 | 3,3'-Dichlorobenzidine | 40.000 | 42.761 | -6.9 | 128 | -0.05 |
| 82 | Chrysene | 40.000 | 45.327 | -13.3 | 139 | -0.05 |
| 83 | Bis(2-ethylhexyl)phthalate | 40.000 | 40.504 | -1.3 | 119 | -0.06 |
| 84 c | Di-n-octyl phthalate | 40.000 | 44.593 | -11.5 | 128 | -0.05 |
| 85 | Indeno(1,2,3-cd)pyrene | 40.000 | 43.903 | -9.8 | 125 | -0.09 |
| 86 I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 130 | -0.06 |
| 87 | Benzo(b)fluoranthene | 40.000 | 40.563 | -1.4 | 129 | -0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.371 | 4.1 | 136 | -0.06 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.846 | 2.9 | 130 | -0.06 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.712 | -1.8 | 125 | -0.09 |
| 91 | Benzo(a,h,i)perylene | 40.000 | 40.660 | -1.6 | 125 | -0.10 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0