

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\  
 Data File : BG020088.D  
 Acq On : 10 Dec 2015 23:53  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 11 04:52:02 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 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   | 107   | -0.03    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.975 | 2.6   | 105   | -0.01    |
| 3    | Pyridine                     | 40.000 | 39.814 | 0.5   | 106   | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 33.957 | 15.1  | 86    | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.686 | -3.4  | 111   | -0.02    |
| 6    | Aniline                      | 40.000 | 39.666 | 0.8   | 104   | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 82.070 | -2.6  | 110   | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 40.982 | -2.5  | 109   | -0.02    |
| 9    | Benzaldehyde                 | 40.000 | 34.810 | 13.0  | 94    | -0.02    |
| 10 C | Phenol                       | 40.000 | 41.891 | -4.7  | 110   | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.473 | 1.3   | 106   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.722 | 0.7   | 107   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.214 | 2.0   | 107   | -0.02    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.017 | -0.0  | 108   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 36.501 | 8.7   | 99    | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.678 | 10.8  | 96    | -0.03    |
| 17   | 2-Methylphenol               | 40.000 | 40.032 | -0.1  | 105   | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 37.553 | 6.1   | 99    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.122 | 12.2  | 95    | -0.03    |
| 20   | 3+4-Methylphenols            | 40.000 | 38.986 | 2.5   | 101   | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 103   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 39.238 | 1.9   | 100   | -0.03    |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.691 | -2.1  | 103   | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 41.302 | -3.3  | 103   | -0.02    |
| 25   | Isophorone                   | 40.000 | 36.344 | 9.1   | 93    | -0.03    |
| 26 C | 2-Nitrophenol                | 40.000 | 47.099 | -17.7 | 118   | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.588 | 1.0   | 102   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.028 | 2.4   | 100   | -0.03    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.693 | -4.2  | 105   | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.176 | -0.4  | 102   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 39.470 | 1.3   | 100   | -0.03    |
| 32   | Benzoic acid                 | 40.000 | 46.877 | -17.2 | 131   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.753 | 3.1   | 99    | -0.02    |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.113 | 4.7   | 98    | -0.03    |
| 35   | Caprolactam                  | 40.000 | 35.054 | 12.4  | 92    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.883 | 5.3   | 98    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.081 | 4.8   | 98    | -0.03    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 92    | -0.03    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.257 | -3.1  | 96    | -0.02    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 25.934 | 35.2# | 58    | -0.03    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 77.408 | 3.2   | 89    | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 41.680 | -4.2  | 98    | -0.02    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.624 | -4.1  | 98    | -0.02    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 80.867 | -1.1  | 94    | -0.03    |

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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 | 40.143 | -0.4  | 92    | -0.03    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.937 | -2.3  | 95    | -0.02    |
| 47   | 2-Nitroaniline             | 40.000 | 42.397 | -6.0  | 96    | -0.02    |
| 48   | Acenaphthylene             | 40.000 | 39.227 | 1.9   | 91    | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 37.032 | 7.4   | 87    | -0.03    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.659 | -6.6  | 94    | -0.02    |
| 51 C | Acenaphthene               | 40.000 | 39.707 | 0.7   | 91    | -0.03    |
| 52   | 3-Nitroaniline             | 40.000 | 42.372 | -5.9  | 96    | -0.02    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 35.376 | 11.6  | 87    | -0.02    |
| 54   | Dibenzofuran               | 40.000 | 38.612 | 3.5   | 90    | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 37.860 | 5.4   | 85    | -0.01    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.131 | -10.3 | 96    | -0.02    |
| 57   | Fluorene                   | 40.000 | 37.209 | 7.0   | 87    | -0.03    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.813 | 0.5   | 90    | -0.02    |
| 59   | Diethylphthalate           | 40.000 | 35.109 | 12.2  | 84    | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 37.085 | 7.3   | 86    | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 39.574 | 1.1   | 89    | -0.02    |
| 62   | Azobenzene                 | 40.000 | 36.058 | 9.9   | 84    | -0.03    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 85    | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.564 | 3.6   | 85    | -0.02    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.083 | -0.2  | 86    | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.053 | -0.1  | 85    | -0.03    |
| 67   | Hexachlorobenzene          | 40.000 | 39.986 | 0.0   | 85    | -0.02    |
| 68   | Atrazine                   | 40.000 | 37.496 | 6.3   | 78    | -0.03    |
| 69 C | Pentachlorophenol          | 40.000 | 42.621 | -6.6  | 90    | -0.02    |
| 70   | Phenanthrene               | 40.000 | 39.345 | 1.6   | 84    | -0.03    |
| 71   | Anthracene                 | 40.000 | 39.044 | 2.4   | 83    | -0.02    |
| 72   | Carbazole                  | 40.000 | 38.884 | 2.8   | 82    | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 38.017 | 5.0   | 80    | -0.03    |
| 74 C | Fluoranthene               | 40.000 | 39.143 | 2.1   | 82    | -0.03    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 84    | -0.03    |
| 76   | Benzidine                  | 40.000 | 33.596 | 16.0  | 68    | -0.03    |
| 77   | Pyrene                     | 40.000 | 40.078 | -0.2  | 82    | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 79.856 | 0.2   | 81    | -0.03    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.691 | 0.8   | 81    | -0.04    |
| 80   | Benzo(a)anthracene         | 40.000 | 39.194 | 2.0   | 82    | -0.03    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.482 | 6.3   | 77    | -0.04    |
| 82   | Chrysene                   | 40.000 | 39.185 | 2.0   | 82    | -0.03    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.756 | 5.6   | 79    | -0.06    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.644 | 0.9   | 81    | -0.08    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.022 | 7.4   | 77    | -0.11    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 84    | -0.06    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.426 | 6.4   | 79    | -0.06    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.445 | 3.9  | 82    | -0.06    |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.189 | 2.0  | 83    | -0.06    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 35.877 | 10.3 | 77    | -0.10    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 31.995 | 20.0 | 68    | -0.12    |

(#) = Out of Range

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