

Data Path : Z:\HPCHEM1\BNA G\Data\BG092117\  
 Data File : BG028861.D  
 Acq On : 21 Sep 2017 17:00  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 22 01:19:38 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 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   | 99    | -0.04    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.230 | 4.4   | 97    | -0.06    |
| 3    | Pyridine                     | 40.000 | 41.029 | -2.6  | 98    | -0.06    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.788 | 0.5   | 96    | -0.06    |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.890 | -1.1  | 95    | -0.05    |
| 6    | Aniline                      | 40.000 | 40.874 | -2.2  | 96    | -0.04    |
| 7 S  | Phenol-d6                    | 80.000 | 80.444 | -0.6  | 97    | -0.05    |
| 8    | 2-Chlorophenol               | 40.000 | 39.561 | 1.1   | 95    | -0.05    |
| 9    | Benzaldehyde                 | 40.000 | 37.619 | 6.0   | 91    | -0.05    |
| 10 C | Phenol                       | 40.000 | 41.551 | -3.9  | 99    | -0.05    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.540 | 3.7   | 95    | -0.05    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.784 | -2.0  | 100   | -0.04    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.041 | -2.6  | 97    | -0.04    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.149 | -0.4  | 99    | -0.04    |
| 15   | Benzyl Alcohol               | 40.000 | 36.465 | 8.8   | 87    | -0.04    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.523 | 8.7   | 88    | -0.05    |
| 17   | 2-Methylphenol               | 40.000 | 38.900 | 2.8   | 95    | -0.05    |
| 18   | Hexachloroethane             | 40.000 | 39.892 | 0.3   | 95    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.249 | 6.9   | 89    | -0.05    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.724 | -1.8  | 98    | -0.05    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 93    | -0.04    |
| 22   | Acetophenone                 | 40.000 | 39.572 | 1.1   | 93    | -0.04    |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.556 | 0.6   | 94    | -0.05    |
| 24   | Nitrobenzene                 | 40.000 | 40.291 | -0.7  | 97    | -0.05    |
| 25   | Isophorone                   | 40.000 | 37.988 | 5.0   | 90    | -0.05    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.180 | -0.4  | 95    | -0.05    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.748 | 3.1   | 91    | -0.04    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.757 | 3.1   | 91    | -0.04    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.314 | -0.8  | 95    | -0.04    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.578 | 1.1   | 95    | -0.04    |
| 31   | Naphthalene                  | 40.000 | 40.223 | -0.6  | 95    | -0.04    |
| 32   | Benzoic acid                 | 40.000 | 23.433 | 41.4# | 50    | -0.06    |
| 33   | 4-Chloroaniline              | 40.000 | 40.328 | -0.8  | 96    | -0.04    |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.250 | 1.9   | 95    | -0.04    |
| 35   | Caprolactam                  | 40.000 | 40.274 | -0.7  | 94    | -0.05    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.725 | 0.7   | 96    | -0.04    |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.055 | -0.1  | 96    | -0.04    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 98    | -0.04    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.713 | -1.8  | 96    | -0.04    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 32.537 | 18.7  | 76    | -0.04    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 83.834 | -4.8  | 102   | -0.04    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.066 | 2.3   | 95    | -0.04    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.398 | 1.5   | 95    | -0.04    |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 80.467 | -0.6  | 95    | -0.04    |

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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 | 39.800 | 0.5   | 95    | -0.03    |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.120 | -0.3  | 96    | -0.04    |
| 47   | 2-Nitroaniline             | 40.000 | 40.097 | -0.2  | 95    | -0.03    |
| 48   | Acenaphthylene             | 40.000 | 40.056 | -0.1  | 96    | -0.03    |
| 49   | Dimethylphthalate          | 40.000 | 40.218 | -0.5  | 98    | -0.03    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.980 | -2.4  | 98    | -0.03    |
| 51 C | Acenaphthene               | 40.000 | 40.023 | -0.1  | 97    | -0.03    |
| 52   | 3-Nitroaniline             | 40.000 | 40.444 | -1.1  | 96    | -0.03    |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 17.425 | 56.4# | 30    | -0.03    |
| 54   | Dibenzofuran               | 40.000 | 40.398 | -1.0  | 97    | -0.03    |
| 55 P | 4-Nitrophenol              | 40.000 | 32.374 | 19.1  | 74    | -0.03    |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.305 | -3.3  | 96    | -0.03    |
| 57   | Fluorene                   | 40.000 | 40.592 | -1.5  | 97    | -0.04    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.313 | 1.7   | 95    | -0.03    |
| 59   | Diethylphthalate           | 40.000 | 39.672 | 0.8   | 99    | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.763 | -1.9  | 100   | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 40.292 | -0.7  | 92    | -0.03    |
| 62   | Azobenzene                 | 40.000 | 40.314 | -0.8  | 99    | -0.03    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 98    | -0.03    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 27.486 | 31.3# | 65    | -0.03    |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.709 | -1.8  | 100   | -0.04    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.029 | -2.6  | 100   | -0.03    |
| 67   | Hexachlorobenzene          | 40.000 | 41.352 | -3.4  | 102   | -0.03    |
| 68   | Atrazine                   | 40.000 | 41.406 | -3.5  | 99    | -0.03    |
| 69 C | Pentachlorophenol          | 40.000 | 32.756 | 18.1  | 77    | -0.03    |
| 70   | Phenanthrene               | 40.000 | 41.363 | -3.4  | 101   | -0.03    |
| 71   | Anthracene                 | 40.000 | 41.396 | -3.5  | 100   | -0.03    |
| 72   | Carbazole                  | 40.000 | 42.129 | -5.3  | 99    | -0.03    |
| 73   | Di-n-butylphthalate        | 40.000 | 41.337 | -3.3  | 100   | -0.03    |
| 74 C | Fluoranthene               | 40.000 | 42.673 | -6.7  | 101   | -0.04    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 98    | -0.05    |
| 76   | Benzidine                  | 40.000 | 35.876 | 10.3  | 84    | -0.03    |
| 77   | Pyrene                     | 40.000 | 40.745 | -1.9  | 101   | -0.03    |
| 78 S | Terphenyl-d14              | 80.000 | 81.932 | -2.4  | 100   | -0.03    |
| 79   | Butylbenzylphthalate       | 40.000 | 39.425 | 1.4   | 97    | -0.03    |
| 80   | Benzo(a)anthracene         | 40.000 | 40.722 | -1.8  | 100   | -0.05    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.120 | 2.2   | 94    | -0.04    |
| 82   | Chrysene                   | 40.000 | 41.059 | -2.6  | 100   | -0.04    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.109 | -0.3  | 97    | -0.04    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.829 | 0.4   | 96    | -0.05    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.641 | 3.4   | 95    | -0.13    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 97    | -0.08    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.343 | -3.4  | 101   | -0.06    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 41.020 | -2.6 | 100   | -0.06    |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.989 | -2.5 | 99    | -0.08    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.545 | 6.1  | 91    | -0.13    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 37.638 | 5.9  | 92    | -0.13    |

(#) = Out of Range

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