

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG011618\  
 Data File : BG032089.D  
 Acq On : 17 Jan 2018 3:35  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 17 06:01:11 2018  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 15 10:05:15 2018  
 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  | 110   | 0.01     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.389 | 9.0  | 100   | 0.02     |
| 3    | Pyridine                     | 40.000 | 38.618 | 3.5  | 102   | 0.02     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.832 | -4.6 | 108   | 0.02     |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.525 | 3.1  | 103   | 0.02     |
| 6    | Aniline                      | 40.000 | 38.117 | 4.7  | 100   | 0.02     |
| 7 S  | Phenol-d6                    | 80.000 | 79.287 | 0.9  | 104   | 0.02     |
| 8    | 2-Chlorophenol               | 40.000 | 37.441 | 6.4  | 98    | 0.02     |
| 9    | Benzaldehyde                 | 40.000 | 37.294 | 6.8  | 96    | 0.02     |
| 10 C | Phenol                       | 40.000 | 37.799 | 5.5  | 99    | 0.02     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.181 | 7.0  | 99    | 0.01     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.702 | 5.7  | 100   | 0.02     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.323 | 4.2  | 102   | 0.02     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.741 | 5.6  | 102   | 0.01     |
| 15   | Benzyl Alcohol               | 40.000 | 42.239 | -5.6 | 109   | 0.02     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 37.537 | 6.2  | 100   | 0.02     |
| 17   | 2-Methylphenol               | 40.000 | 37.405 | 6.5  | 97    | 0.02     |
| 18   | Hexachloroethane             | 40.000 | 40.301 | -0.8 | 107   | 0.01     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.444 | 1.4  | 104   | 0.02     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.596 | 3.5  | 102   | 0.02     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 105   | 0.01     |
| 22   | Acetophenone                 | 40.000 | 39.687 | 0.8  | 103   | 0.01     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.636 | -3.3 | 105   | 0.01     |
| 24   | Nitrobenzene                 | 40.000 | 40.998 | -2.5 | 105   | 0.01     |
| 25   | Isophorone                   | 40.000 | 39.306 | 1.7  | 101   | 0.01     |
| 26 C | 2-Nitrophenol                | 40.000 | 39.688 | 0.8  | 98    | 0.01     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.315 | 4.2  | 100   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.593 | 3.5  | 99    | 0.01     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.564 | -1.4 | 103   | 0.02     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.300 | -0.7 | 103   | 0.01     |
| 31   | Naphthalene                  | 40.000 | 38.875 | 2.8  | 100   | 0.01     |
| 32   | Benzoic acid                 | 40.000 | 36.154 | 9.6  | 92    | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 38.789 | 3.0  | 99    | 0.01     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.642 | -4.1 | 108   | 0.01     |
| 35   | Caprolactam                  | 40.000 | 40.061 | -0.2 | 99    | 0.02     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.160 | -0.4 | 104   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.394 | 4.0  | 100   | 0.01     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 105   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.896 | -2.2 | 106   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 41.921 | -4.8 | 106   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 80.186 | -0.2 | 100   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.864 | -2.2 | 104   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 41.843 | -4.6 | 108   | 0.01     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 78.399 | 2.0  | 102   | 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 | 38.962 | 2.6  | 102   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.043 | 2.4  | 101   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 43.617 | -9.0 | 108   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.617 | 3.5  | 99    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.003 | 2.5  | 100   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.904 | -2.3 | 102   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.812 | 3.0  | 99    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 39.652 | 0.9  | 99    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 33.497 | 16.3 | 85    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.794 | 3.0  | 101   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 39.257 | 1.9  | 96    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.007 | -5.0 | 101   | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.709 | 3.2  | 100   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.469 | -6.2 | 106   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.033 | 2.4  | 101   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 40.062 | -0.2 | 104   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.143 | -5.4 | 101   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.716 | 0.7  | 101   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 107   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.187 | -0.5 | 109   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.502 | 3.7  | 99    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.281 | 1.8  | 103   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.863 | 5.3  | 101   | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.013 | -0.0 | 104   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.526 | -1.3 | 103   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 38.119 | 4.7  | 101   | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.179 | 4.6  | 100   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.850 | 2.9  | 101   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.028 | 4.9  | 99    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.452 | 1.4  | 105   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 111   | 0.00     |
| 76   | Benzidine                  | 40.000 | 35.998 | 10.0 | 98    | 0.00     |
| 77   | Pyrene                     | 40.000 | 37.686 | 5.8  | 105   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 74.533 | 6.8  | 105   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.668 | 5.8  | 104   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.130 | 2.2  | 108   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.432 | -1.1 | 108   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.019 | 2.5  | 107   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.711 | 8.2  | 101   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 36.762 | 8.1  | 101   | -0.01    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.620 | 3.5  | 105   | -0.04    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 111   | -0.02    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.293 | 1.8  | 106   | -0.01    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.651 | 3.4  | 105   | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.101 | 2.2  | 107   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 38.761 | 3.1  | 106   | -0.03    |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 38.876 | 2.8  | 107   | -0.03    |

(#) = Out of Range

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