

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070816\  
 Data File : BG022900.D  
 Acq On : 7 Jul 2016 18:02  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 08 04:59:19 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 07 16:51:07 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   | 100   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 44.057 | -10.1 | 114   | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.561 | -3.9  | 104   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.739 | -6.8  | 105   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.283 | -1.6  | 103   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.453 | -1.1  | 100   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.328 | -0.4  | 98    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.774 | 0.6   | 99    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 41.313 | -3.3  | 105   | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.435 | -1.1  | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.327 | -0.8  | 101   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.908 | 0.2   | 103   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.382 | -1.0  | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.341 | 1.6   | 102   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.929 | -4.8  | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.956 | 0.1   | 100   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.765 | 0.6   | 99    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.671 | 0.8   | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.814 | -2.0  | 99    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.069 | -5.2  | 99    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.090 | 2.3   | 98    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.559 | 1.8   | 99    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.005 | -0.0  | 103   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.522 | 1.2   | 97    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.544 | -1.4  | 96    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.032 | 4.9   | 96    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.622 | 0.9   | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.069 | 2.3   | 96    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.303 | 1.7   | 100   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.001 | 2.5   | 99    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 39.794 | 0.5   | 94    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.523 | 1.2   | 99    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.486 | 6.3   | 96    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 36.033 | 9.9   | 90    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.172 | 2.1   | 96    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.796 | 0.5   | 98    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.916 | 2.7   | 96    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 38.908 | 2.7   | 95    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 73.719 | 7.9   | 92    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.333 | 1.7   | 95    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.664 | 3.3   | 96    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 78.015 | 2.5   | 98    | 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 | 39.407 | 1.5   | 97    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.686 | 0.8   | 97    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.348 | 1.6   | 97    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 38.771 | 3.1   | 95    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 38.275 | 4.3   | 96    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.676 | 0.8   | 98    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 44.864 | -12.2 | 111   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 38.820 | 2.9   | 95    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 39.035 | 2.4   | 92    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.331 | 4.2   | 96    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 38.943 | 2.6   | 95    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 38.960 | 2.6   | 97    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.309 | 4.2   | 96    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.287 | 4.3   | 94    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 38.021 | 4.9   | 95    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 38.635 | 3.4   | 95    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 37.802 | 5.5   | 94    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 38.704 | 3.2   | 96    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.089 | -5.2  | 96    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 40.564 | -1.4  | 96    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.474 | 1.3   | 93    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 40.617 | -1.5  | 96    | 0.00     |
| 68   | Atrazine                   | 40.000 | 38.919 | 2.7   | 94    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.565 | -1.4  | 91    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.410 | 1.5   | 95    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.918 | 0.2   | 97    | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.404 | 1.5   | 95    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.998 | -2.5  | 95    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.510 | 3.7   | 97    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 76   | Benzidine                  | 40.000 | 41.274 | -3.2  | 96    | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.395 | 4.0   | 97    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 82.259 | -2.8  | 97    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.294 | 1.8   | 94    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.294 | 1.8   | 96    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.538 | -1.3  | 95    | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.887 | 0.3   | 98    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.860 | 2.9   | 95    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.490 | 1.3   | 95    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.640 | 0.9   | 98    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.289 | -0.7  | 98    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.693 | -1.7 | 95    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.667 | -1.7 | 97    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.345 | -0.9 | 97    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.191 | -0.5 | 96    | 0.00     |

(#) = Out of Range

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