

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG070717\  
 Data File : BG027870.D  
 Acq On : 7 Jul 2017 16:01  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 07 17:30:34 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 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   | 104   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 42.879 | -7.2  | 111   | 0.00     |
| 3    | Pyridine                    | 40.000 | 38.347 | 4.1   | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 22.167 | 44.6# | 59    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 82.310 | -2.9  | 104   | 0.00     |
| 6    | Aniline                     | 40.000 | 33.005 | 17.5  | 81    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 78.625 | 1.7   | 98    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.338 | -0.8  | 103   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 34.562 | 13.6  | 87    | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.518 | 3.7   | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.978 | -4.9  | 107   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.273 | 1.8   | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.328 | 1.7   | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.754 | 0.6   | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 14.979 | 62.6# | 37    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 21.647 | 45.9# | 55    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.224 | 4.4   | 93    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 36.924 | 7.7   | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 32.587 | 18.5  | 81    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 36.629 | 8.4   | 90    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.580 | 6.1   | 90    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 70.075 | 12.4  | 84    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 35.916 | 10.2  | 86    | 0.00     |
| 25   | Isophorone                  | 40.000 | 33.718 | 15.7  | 81    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.629 | 0.9   | 91    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.737 | 3.2   | 91    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.236 | 6.9   | 90    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.189 | 2.0   | 93    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.478 | 1.3   | 96    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.055 | 2.4   | 94    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 17.378 | 56.6# | 28    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 32.257 | 19.4  | 76    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 36.612 | 8.5   | 91    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 34.252 | 14.4  | 82    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 32.068 | 19.8  | 76    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.011 | 5.0   | 91    | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 86    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 43.471 | -8.7  | 93    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 41.464 | -3.7  | 88    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 91.373 | -14.2 | 96    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 40.204 | -0.5  | 85    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 40.124 | -0.3  | 83    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 83.321 | -4.2  | 88    | 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 | 40.575 | -1.4 | 87    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.008 | -0.0 | 85    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 30.147 | 24.6 | 62    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.519 | -1.3 | 85    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 36.100 | 9.7  | 77    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 38.568 | 3.6  | 80    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.750 | 0.6  | 84    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 36.331 | 9.2  | 76    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 38.405 | 4.0  | 88    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.965 | 0.1  | 86    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 32.150 | 19.6 | 66    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 38.347 | 4.1  | 79    | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.384 | -1.0 | 86    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 36.339 | 9.2  | 77    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 34.865 | 12.8 | 75    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.399 | 1.5  | 83    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.356 | -0.9 | 85    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 34.182 | 14.5 | 73    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 87    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.726 | 5.7  | 85    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.524 | 3.7  | 82    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.837 | 0.4  | 85    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 43.876 | -9.7 | 95    | 0.00     |
| 68   | Atrazine                   | 40.000 | 32.849 | 17.9 | 69    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 33.489 | 16.3 | 73    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 40.149 | -0.4 | 86    | 0.00     |
| 71   | Anthracene                 | 40.000 | 40.187 | -0.5 | 85    | 0.00     |
| 72   | Carbazole                  | 40.000 | 41.501 | -3.8 | 89    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 39.380 | 1.5  | 84    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 41.968 | -4.9 | 91    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 103   | 0.00     |
| 76   | Benzidine                  | 40.000 | 32.938 | 17.7 | 79    | 0.00     |
| 77   | Pyrene                     | 40.000 | 36.319 | 9.2  | 91    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 76.281 | 4.6  | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 33.706 | 15.7 | 84    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 36.924 | 7.7  | 93    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 38.771 | 3.1  | 96    | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.398 | 6.5  | 94    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 34.356 | 14.1 | 85    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 34.947 | 12.6 | 86    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.354 | -0.9 | 99    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.161 | 2.1  | 96    | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.357 | -0.9 | 98    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.690 | 0.8  | 97    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.543 | -3.9 | 101   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 40.453 | -1.1 | 99    | 0.00     |

(#) = Out of Range

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