

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080118\  
 Data File : BG036050.D  
 Acq On : 2 Aug 2018 2:25  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 02 09:02:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 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   | 90    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 33.981 | 15.0  | 82    | 0.00     |
| 3    | Pyridine                     | 40.000 | 34.869 | 12.8  | 76    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.061 | 14.8  | 77    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 73.324 | 8.3   | 82    | 0.00     |
| 6    | Aniline                      | 40.000 | 35.168 | 12.1  | 79    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 74.043 | 7.4   | 82    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.487 | 3.8   | 86    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.241 | 11.9  | 78    | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.973 | 5.1   | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 35.853 | 10.4  | 80    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.401 | 6.5   | 85    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.803 | 3.0   | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.657 | 3.4   | 88    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 35.128 | 12.2  | 78    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.247 | 16.9  | 75    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.136 | 7.2   | 81    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.488 | 3.8   | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 34.917 | 12.7  | 80    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.020 | 4.9   | 81    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 83    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.064 | 4.8   | 82    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.824 | 1.5   | 83    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 38.140 | 4.6   | 81    | 0.00     |
| 25   | Isophorone                   | 40.000 | 37.617 | 6.0   | 80    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.295 | -10.7 | 91    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.957 | 0.1   | 83    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.520 | 3.7   | 81    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.101 | -5.3  | 85    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.410 | -1.0  | 86    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.424 | 1.4   | 86    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 29.244 | 26.9# | 61    | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 39.016 | 2.5   | 84    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.695 | -4.2  | 89    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.294 | 4.3   | 84    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.042 | -2.6  | 85    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.759 | -4.4  | 88    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 86    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.853 | 0.4   | 92    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 34.870 | 12.8  | 77    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 86.670 | -8.3  | 97    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.374 | -0.9  | 87    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.456 | -1.1  | 93    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 78.061 | 2.4   | 90    | 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 | 39.110 | 2.2   | 88    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.120 | 2.2   | 90    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.620 | -1.5  | 90    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.036 | -0.1  | 91    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.129 | -0.3  | 93    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 43.709 | -9.3  | 97    | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.374 | 1.6   | 91    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.391 | -1.0  | 88    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 44.974 | -12.4 | 109   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.384 | -1.0  | 92    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 34.687 | 13.3  | 76    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 45.083 | -12.7 | 97    | 0.00     |
| 57   | Fluorene                   | 40.000 | 41.543 | -3.9  | 96    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.983 | -2.5  | 91    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.752 | 0.6   | 91    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 41.375 | -3.4  | 96    | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.157 | -5.4  | 92    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 37.748 | 5.6   | 86    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 91    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.227 | -5.6  | 100   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.659 | 0.9   | 93    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 41.442 | -3.6  | 96    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.813 | -4.5  | 99    | 0.00     |
| 68   | Atrazine                   | 40.000 | 36.498 | 8.8   | 83    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 36.402 | 9.0   | 83    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.276 | 1.8   | 94    | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.415 | 1.5   | 93    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.856 | 2.9   | 91    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.799 | 3.0   | 91    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.990 | 2.5   | 92    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 95    | 0.00     |
| 76   | Benzidine                  | 40.000 | 36.647 | 8.4   | 95    | 0.00     |
| 77   | Pyrene                     | 40.000 | 36.892 | 7.8   | 93    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 75.230 | 6.0   | 94    | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.863 | 0.3   | 97    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 38.251 | 4.4   | 96    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.284 | -0.7  | 98    | 0.00     |
| 82   | Chrysene                   | 40.000 | 38.596 | 3.5   | 97    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.285 | -3.2  | 100   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 41.703 | -4.3  | 100   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.251 | -0.6  | 99    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 98    | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.424 | 1.4   | 102   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.494 | 3.8  | 97    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.218 | 2.0  | 98    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.464 | 1.3  | 99    | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 39.132 | 2.2  | 98    | 0.00     |

(#) = Out of Range

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