

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012615\  
 Data File : BG015933.D  
 Acq On : 27 Jan 2015 5:42  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 27 06:58:58 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG012015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 20 17:47:40 2015  
 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                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 93    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.692 | 0.640 | 7.5  | 85    | 0.00     |
| 3    | Pyridine                    | 2.332 | 2.125 | 8.9  | 88    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.901 | 0.750 | 16.8 | 78    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.343 | 1.197 | 10.9 | 86    | 0.00     |
| 6    | Aniline                     | 3.116 | 2.891 | 7.2  | 89    | 0.00     |
| 7 S  | Phenol-d6                   | 2.164 | 2.028 | 6.3  | 92    | 0.00     |
| 8    | 2-Chlorophenol              | 1.289 | 1.147 | 11.0 | 91    | 0.00     |
| 9    | Benzaldehyde                | 1.973 | 1.703 | 13.7 | 79    | 0.00     |
| 10 C | Phenol                      | 2.467 | 2.353 | 4.6  | 92    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.906 | 1.636 | 14.2 | 85    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.525 | 1.353 | 11.3 | 84    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.575 | 1.467 | 6.9  | 92    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.543 | 1.355 | 12.2 | 86    | 0.00     |
| 15   | Benzyl Alcohol              | 2.368 | 2.199 | 7.1  | 85    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.541 | 1.295 | 16.0 | 83    | 0.00     |
| 17   | 2-Methylphenol              | 1.528 | 1.407 | 7.9  | 90    | 0.00     |
| 18   | Hexachloroethane            | 0.810 | 0.682 | 15.8 | 83    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 2.159 | 1.834 | 15.1 | 79    | 0.00     |
| 20   | 3+4-Methylphenols           | 2.003 | 1.986 | 0.8  | 92    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 90    | 0.00     |
| 22   | Acetophenone                | 0.670 | 0.652 | 2.7  | 88    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.694 | 0.635 | 8.5  | 85    | 0.00     |
| 24   | Nitrobenzene                | 0.730 | 0.663 | 9.2  | 85    | 0.00     |
| 25   | Isophorone                  | 1.227 | 1.168 | 4.8  | 86    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.186 | -2.8 | 91    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.346 | 0.331 | 4.3  | 85    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.594 | 0.545 | 8.2  | 82    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.361 | 0.378 | -4.7 | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.438 | 0.430 | 1.8  | 92    | 0.00     |
| 31   | Naphthalene                 | 1.024 | 0.993 | 3.0  | 91    | 0.00     |
| 32   | Benzoic acid                | 0.098 | 0.088 | 10.2 | 93    | 0.00     |
| 33   | 4-Chloroaniline             | 0.477 | 0.467 | 2.1  | 92    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.428 | 0.416 | 2.8  | 94    | 0.00     |
| 35   | Caprolactam                 | 0.177 | 0.178 | -0.6 | 87    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.531 | 0.555 | -4.5 | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.813 | 0.787 | 3.2  | 89    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 93    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.763 | 0.755 | 1.0  | 95    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.575 | 0.481 | 16.3 | 75    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.366 | 0.360 | 1.6  | 93    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.447 | 0.461 | -3.1 | 93    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.505 | 0.486 | 3.8  | 89    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.275 | 1.238 | 2.9  | 90    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.262 | 1.217 | 3.6   | 90    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.066 | 1.017 | 4.6   | 92    | 0.00     |
| 47   | 2-Nitroaniline             | 0.544 | 0.477 | 12.3  | 83    | 0.00     |
| 48   | Acenaphthylene             | 1.619 | 1.551 | 4.2   | 90    | 0.00     |
| 49   | Dimethylphthalate          | 1.439 | 1.374 | 4.5   | 91    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.325 | 0.319 | 1.8   | 96    | 0.00     |
| 51 C | Acenaphthene               | 1.017 | 0.966 | 5.0   | 89    | 0.00     |
| 52   | 3-Nitroaniline             | 0.306 | 0.289 | 5.6   | 90    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.186 | 0.139 | 25.3# | 72    | 0.00     |
| 54   | Dibenzofuran               | 1.678 | 1.651 | 1.6   | 95    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.210 | 0.188 | 10.5  | 83    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.475 | 0.457 | 3.8   | 90    | 0.00     |
| 57   | Fluorene                   | 1.514 | 1.483 | 2.0   | 96    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.559 | 0.528 | 5.5   | 89    | 0.00     |
| 59   | Diethylphthalate           | 1.469 | 1.430 | 2.7   | 92    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 1.007 | 0.968 | 3.9   | 93    | 0.00     |
| 61   | 4-Nitroaniline             | 0.324 | 0.306 | 5.6   | 88    | 0.00     |
| 62   | Azobenzene                 | 2.379 | 2.189 | 8.0   | 86    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.144 | 0.123 | 14.6  | 77    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.571 | 0.560 | 1.9   | 93    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.292 | 0.294 | -0.7  | 97    | 0.00     |
| 67   | Hexachlorobenzene          | 0.316 | 0.321 | -1.6  | 99    | 0.00     |
| 68   | Atrazine                   | 0.275 | 0.264 | 4.0   | 92    | 0.00     |
| 69 C | Pentachlorophenol          | 0.135 | 0.134 | 0.7   | 95    | 0.00     |
| 70   | Phenanthrene               | 1.003 | 0.967 | 3.6   | 93    | 0.00     |
| 71   | Anthracene                 | 0.985 | 0.986 | -0.1  | 93    | 0.00     |
| 72   | Carbazole                  | 0.868 | 0.835 | 3.8   | 92    | 0.00     |
| 73   | Di-n-butylphthalate        | 0.999 | 0.979 | 2.0   | 90    | 0.00     |
| 74 C | Fluoranthene               | 1.340 | 1.308 | 2.4   | 92    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 76   | Benzidine                  | 0.435 | 0.417 | 4.1   | 80    | 0.00     |
| 77   | Pyrene                     | 0.950 | 0.939 | 1.2   | 92    | 0.00     |
| 78 S | Terphenyl-d14              | 0.752 | 0.722 | 4.0   | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.348 | 0.327 | 6.0   | 86    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.052 | 1.030 | 2.1   | 93    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.447 | 0.434 | 2.9   | 87    | 0.00     |
| 82   | Chrysene                   | 0.993 | 0.970 | 2.3   | 91    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.469 | 0.454 | 3.2   | 88    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 0.725 | 0.731 | -0.8  | 92    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.173 | 1.162 | 0.9   | 90    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.142 | 1.103 | 3.4   | 95    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.105 | 1.086 | 1.7  | 95    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.098 | 1.071 | 2.5  | 94    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.043 | 1.026 | 1.6  | 93    | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.017 | 0.982 | 3.4  | 93    | 0.00     |

(#) = Out of Range

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