

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG060616\  
 Data File : BG022189.D  
 Acq On : 7 Jun 2016 4:34  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 07 05:58:32 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 16:12:45 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                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.496 | 0.557 | -12.3 | 135   | 0.00     |
| 3    | Pyridine                    | 1.340 | 1.375 | -2.6  | 112   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.300 | 0.335 | -11.7 | 119   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.034 | 1.135 | -9.8  | 117   | 0.00     |
| 6    | Aniline                     | 2.066 | 2.081 | -0.7  | 105   | 0.00     |
| 7 S  | Phenol-d6                   | 1.626 | 1.664 | -2.3  | 108   | 0.00     |
| 8    | 2-Chlorophenol              | 1.430 | 1.465 | -2.4  | 110   | 0.00     |
| 9    | Benzaldehyde                | 0.895 | 0.916 | -2.3  | 106   | 0.00     |
| 10 C | Phenol                      | 1.677 | 1.707 | -1.8  | 109   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.337 | 1.347 | -0.7  | 108   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.533 | 1.540 | -0.5  | 112   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.527 | 1.580 | -3.5  | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.539 | 1.544 | -0.3  | 112   | 0.00     |
| 15   | Benzyl Alcohol              | 1.051 | 0.990 | 5.8   | 103   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.387 | 1.330 | 4.1   | 107   | 0.00     |
| 17   | 2-Methylphenol              | 1.251 | 1.197 | 4.3   | 106   | 0.00     |
| 18   | Hexachloroethane            | 0.558 | 0.555 | 0.5   | 112   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.101 | 1.030 | 6.4   | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.795 | 1.666 | 7.2   | 102   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 22   | Acetophenone                | 0.431 | 0.443 | -2.8  | 101   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.287 | 0.299 | -4.2  | 102   | 0.00     |
| 24   | Nitrobenzene                | 0.288 | 0.296 | -2.8  | 101   | 0.00     |
| 25   | Isophorone                  | 0.671 | 0.629 | 6.3   | 96    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.156 | 0.160 | -2.6  | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.283 | 0.285 | -0.7  | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.385 | 0.376 | 2.3   | 98    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.262 | 0.282 | -7.6  | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.293 | 0.297 | -1.4  | 102   | 0.00     |
| 31   | Naphthalene                 | 0.998 | 0.982 | 1.6   | 103   | 0.00     |
| 32   | Benzoic acid                | 0.087 | 0.074 | 14.9  | 82    | 0.00     |
| 33   | 4-Chloroaniline             | 0.415 | 0.411 | 1.0   | 98    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.157 | 0.158 | -0.6  | 106   | 0.00     |
| 35   | Caprolactam                 | 0.144 | 0.128 | 11.1  | 90    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.311 | 0.307 | 1.3   | 97    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.737 | 0.713 | 3.3   | 97    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.515 | 0.549 | -6.6  | 99    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.233 | 0.252 | -8.2  | 98    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.226 | 0.225 | 0.4   | 91    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.345 | 0.367 | -6.4  | 95    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.382 | 0.391 | -2.4  | 95    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.312 | 1.376 | -4.9  | 97    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.505 | 1.580 | -5.0  | 95    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.154 | 1.216 | -5.4  | 96    | 0.00     |
| 47   | 2-Nitroaniline             | 0.275 | 0.272 | 1.1   | 89    | 0.00     |
| 48   | Acenaphthylene             | 2.024 | 2.043 | -0.9  | 94    | 0.00     |
| 49   | Dimethylphthalate          | 1.658 | 1.606 | 3.1   | 92    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.360 | 0.366 | -1.7  | 92    | 0.00     |
| 51 C | Acenaphthene               | 1.213 | 1.221 | -0.7  | 94    | 0.00     |
| 52   | 3-Nitroaniline             | 0.400 | 0.389 | 2.8   | 96    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.108 | 0.121 | -12.0 | 94    | 0.00     |
| 54   | Dibenzofuran               | 1.893 | 1.912 | -1.0  | 94    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.276 | 0.278 | -0.7  | 87    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.484 | 0.508 | -5.0  | 92    | 0.00     |
| 57   | Fluorene                   | 1.631 | 1.621 | 0.6   | 93    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.342 | 0.329 | 3.8   | 91    | 0.00     |
| 59   | Diethylphthalate           | 1.771 | 1.720 | 2.9   | 93    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.738 | 0.736 | 0.3   | 92    | 0.00     |
| 61   | 4-Nitroaniline             | 0.424 | 0.423 | 0.2   | 92    | 0.00     |
| 62   | Azobenzene                 | 1.341 | 1.348 | -0.5  | 94    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.092 | 0.097 | -5.4  | 91    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.576 | 0.595 | -3.3  | 93    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.187 | 0.192 | -2.7  | 92    | 0.00     |
| 67   | Hexachlorobenzene          | 0.218 | 0.214 | 1.8   | 90    | 0.00     |
| 68   | Atrazine                   | 0.213 | 0.216 | -1.4  | 93    | 0.00     |
| 69 C | Pentachlorophenol          | 0.084 | 0.087 | -3.6  | 95    | 0.00     |
| 70   | Phenanthrene               | 1.086 | 1.086 | 0.0   | 93    | 0.00     |
| 71   | Anthracene                 | 1.077 | 1.092 | -1.4  | 93    | 0.00     |
| 72   | Carbazole                  | 1.020 | 1.020 | 0.0   | 92    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.334 | 1.344 | -0.7  | 95    | 0.00     |
| 74 C | Fluoranthene               | 1.249 | 1.243 | 0.5   | 94    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 76   | Benzidine                  | 0.523 | 0.569 | -8.8  | 91    | 0.00     |
| 77   | Pyrene                     | 1.243 | 1.266 | -1.9  | 95    | 0.00     |
| 78 S | Terphenyl-d14              | 0.842 | 0.851 | -1.1  | 93    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.577 | 0.585 | -1.4  | 94    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.121 | 1.124 | -0.3  | 94    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.315 | 0.314 | 0.3   | 89    | 0.00     |
| 82   | Chrysene                   | 1.091 | 1.101 | -0.9  | 96    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.848 | 0.867 | -2.2  | 95    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.408 | 1.449 | -2.9  | 95    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.224 | 1.230 | -0.5  | 92    | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.166 | 1.193 | -2.3  | 97    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.148 | 1.135 | 1.1  | 94    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.115 | 1.114 | 0.1  | 94    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.050 | 1.043 | 0.7  | 92    | -0.01    |
| 91   | Benzo(g,h,i)perylene   | 1.093 | 1.079 | 1.3  | 94    | 0.00     |

(#) = Out of Range

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