

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\  
 Data File : BG023020.D  
 Acq On : 12 Jul 2016 3:58  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 12 04:31:49 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.475 | 0.459 | 3.4   | 86    | 0.00     |
| 3    | Pyridine                    | 1.627 | 1.550 | 4.7   | 82    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.698 | 0.689 | 1.3   | 83    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.223 | 1.209 | 1.1   | 86    | 0.00     |
| 6    | Aniline                     | 2.654 | 2.676 | -0.8  | 85    | 0.00     |
| 7 S  | Phenol-d6                   | 1.915 | 2.058 | -7.5  | 90    | 0.00     |
| 8    | 2-Chlorophenol              | 1.301 | 1.369 | -5.2  | 90    | 0.00     |
| 9    | Benzaldehyde                | 1.280 | 1.267 | 1.0   | 86    | 0.00     |
| 10 C | Phenol                      | 1.971 | 2.083 | -5.7  | 89    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.562 | 1.533 | 1.9   | 84    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.593 | 1.587 | 0.4   | 88    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.595 | 1.623 | -1.8  | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.585 | 1.585 | 0.0   | 89    | 0.00     |
| 15   | Benzyl Alcohol              | 1.754 | 1.923 | -9.6  | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.908 | 1.982 | -3.9  | 89    | 0.00     |
| 17   | 2-Methylphenol              | 1.283 | 1.349 | -5.1  | 89    | 0.00     |
| 18   | Hexachloroethane            | 0.673 | 0.658 | 2.2   | 90    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.727 | 1.767 | -2.3  | 85    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.789 | 1.972 | -10.2 | 89    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 22   | Acetophenone                | 0.600 | 0.593 | 1.2   | 87    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.467 | 0.468 | -0.2  | 89    | 0.00     |
| 24   | Nitrobenzene                | 0.496 | 0.488 | 1.6   | 89    | 0.00     |
| 25   | Isophorone                  | 0.939 | 0.892 | 5.0   | 81    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.195 | 0.195 | 0.0   | 83    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.337 | 0.333 | 1.2   | 88    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.524 | 0.511 | 2.5   | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.359 | 0.365 | -1.7  | 88    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.411 | 0.410 | 0.2   | 89    | 0.00     |
| 31   | Naphthalene                 | 1.018 | 1.041 | -2.3  | 91    | 0.00     |
| 32   | Benzoic acid                | 0.306 | 0.287 | 6.2   | 78    | 0.00     |
| 33   | 4-Chloroaniline             | 0.498 | 0.493 | 1.0   | 87    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.334 | 0.316 | 5.4   | 86    | 0.00     |
| 35   | Caprolactam                 | 0.148 | 0.130 | 12.2  | 77    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.491 | 0.500 | -1.8  | 88    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.805 | 0.827 | -2.7  | 89    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.862 | 0.850 | 1.4   | 85    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.496 | 0.531 | -7.1  | 92    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.359 | 0.298 | 17.0  | 73    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.495 | 0.487 | 1.6   | 83    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.509 | 0.493 | 3.1   | 85    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.270 | 1.267 | 0.2   | 88    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.501 | 1.532 | -2.1  | 88    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.217 | 1.227 | -0.8  | 87    | 0.00     |
| 47   | 2-Nitroaniline             | 0.519 | 0.519 | 0.0   | 87    | 0.00     |
| 48   | Acenaphthylene             | 1.826 | 1.798 | 1.5   | 85    | 0.00     |
| 49   | Dimethylphthalate          | 1.634 | 1.515 | 7.3   | 82    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.367 | 0.338 | 7.9   | 80    | 0.00     |
| 51 C | Acenaphthene               | 1.193 | 1.175 | 1.5   | 86    | 0.00     |
| 52   | 3-Nitroaniline             | 0.366 | 0.346 | 5.5   | 81    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.252 | 0.296 | -17.5 | 97    | 0.00     |
| 54   | Dibenzofuran               | 1.786 | 1.702 | 4.7   | 84    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.307 | 0.260 | 15.3  | 73    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.535 | 0.488 | 8.8   | 80    | 0.00     |
| 57   | Fluorene                   | 1.537 | 1.436 | 6.6   | 83    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.509 | 0.439 | 13.8  | 74    | 0.00     |
| 59   | Diethylphthalate           | 1.662 | 1.516 | 8.8   | 80    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.936 | 0.851 | 9.1   | 78    | 0.00     |
| 61   | 4-Nitroaniline             | 0.396 | 0.348 | 12.1  | 77    | 0.00     |
| 62   | Azobenzene                 | 1.590 | 1.539 | 3.2   | 85    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 77    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.149 | 0.131 | 12.1  | 65    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.576 | 0.606 | -5.2  | 80    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.260 | 0.255 | 1.9   | 74    | 0.00     |
| 67   | Hexachlorobenzene          | 0.283 | 0.277 | 2.1   | 75    | 0.00     |
| 68   | Atrazine                   | 0.256 | 0.248 | 3.1   | 76    | 0.00     |
| 69 C | Pentachlorophenol          | 0.183 | 0.158 | 13.7  | 63    | 0.00     |
| 70   | Phenanthrene               | 0.980 | 0.989 | -0.9  | 79    | 0.00     |
| 71   | Anthracene                 | 0.992 | 1.018 | -2.6  | 80    | 0.00     |
| 72   | Carbazole                  | 0.858 | 0.857 | 0.1   | 78    | 0.00     |
| 73   | Di-n-butylphthalate        | 0.954 | 1.013 | -6.2  | 80    | 0.00     |
| 74 C | Fluoranthene               | 1.203 | 1.163 | 3.3   | 79    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 74    | 0.03     |
| 76   | Benzidine                  | 0.573 | 0.640 | -11.7 | 81    | 0.00     |
| 77   | Pyrene                     | 1.124 | 1.136 | -1.1  | 80    | 0.00     |
| 78 S | Terphenyl-d14              | 0.646 | 0.706 | -9.3  | 82    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.445 | 0.463 | -4.0  | 78    | 0.01     |
| 80   | Benzo(a)anthracene         | 1.119 | 1.126 | -0.6  | 77    | 0.03     |
| 81   | 3,3'-Dichlorobenzidine     | 0.491 | 0.484 | 1.4   | 72    | 0.03     |
| 82   | Chrysene                   | 1.050 | 1.068 | -1.7  | 78    | 0.03     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.618 | 0.647 | -4.7  | 80    | 0.03     |
| 84 c | Di-n-octyl phthalate       | 1.031 | 1.091 | -5.8  | 79    | 0.04     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.338 | 1.221 | 8.7   | 70    | 0.12     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 73    | 0.07     |
| 87   | Benzo(b)fluoranthene       | 1.154 | 1.154 | 0.0   | 75    | 0.06     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.095 | 1.102 | -0.6 | 72    | 0.06     |
| 89 C | Benzo(a)pyrene         | 1.106 | 1.105 | 0.1  | 74    | 0.07     |
| 90   | Dibenzo(a,h)anthracene | 1.098 | 1.057 | 3.7  | 71    | 0.12     |
| 91   | Benzo(a,h,i)perylene   | 1.099 | 1.030 | 6.3  | 69    | 0.14     |

(#) = Out of Range

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