

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\  
 Data File : BG021778.D  
 Acq On : 20 Apr 2016 10:28  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 20 11:03:45 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 15:48:13 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   | 93    | -0.01    |
| 2    | 1,4-Dioxane                 | 0.535 | 0.484 | 9.5   | 83    | -0.02    |
| 3    | Pyridine                    | 1.604 | 1.523 | 5.0   | 91    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 0.795 | 0.691 | 13.1  | 85    | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.201 | 1.243 | -3.5  | 97    | 0.00     |
| 6    | Aniline                     | 2.373 | 2.344 | 1.2   | 95    | -0.01    |
| 7 S  | Phenol-d6                   | 1.794 | 1.903 | -6.1  | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 1.440 | 1.493 | -3.7  | 98    | -0.01    |
| 9    | Benzaldehyde                | 1.037 | 1.137 | -9.6  | 109   | -0.02    |
| 10 C | Phenol                      | 1.930 | 1.969 | -2.0  | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.544 | 1.481 | 4.1   | 92    | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.608 | 1.637 | -1.8  | 95    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 1.637 | 1.653 | -1.0  | 95    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 1.570 | 1.596 | -1.7  | 96    | -0.01    |
| 15   | Benzyl Alcohol              | 1.371 | 1.407 | -2.6  | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 3.308 | 2.968 | 10.3  | 86    | -0.02    |
| 17   | 2-Methylphenol              | 1.334 | 1.402 | -5.1  | 101   | 0.00     |
| 18   | Hexachloroethane            | 0.596 | 0.617 | -3.5  | 98    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.394 | 1.331 | 4.5   | 94    | -0.01    |
| 20   | 3+4-Methylphenols           | 1.826 | 1.914 | -4.8  | 100   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 22   | Acetophenone                | 0.557 | 0.483 | 13.3  | 90    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.389 | 0.384 | 1.3   | 102   | 0.00     |
| 24   | Nitrobenzene                | 0.417 | 0.397 | 4.8   | 99    | -0.01    |
| 25   | Isophorone                  | 0.852 | 0.760 | 10.8  | 97    | -0.01    |
| 26 C | 2-Nitrophenol               | 0.159 | 0.181 | -13.8 | 119   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 0.361 | 0.321 | 11.1  | 96    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.453 | 0.421 | 7.1   | 98    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 0.308 | 0.317 | -2.9  | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.331 | 0.335 | -1.2  | 104   | -0.01    |
| 31   | Naphthalene                 | 1.070 | 1.042 | 2.6   | 101   | -0.01    |
| 32   | Benzoic acid                | 0.192 | 0.136 | 29.2# | 77    | 0.02     |
| 33   | 4-Chloroaniline             | 0.463 | 0.454 | 1.9   | 105   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.214 | 0.217 | -1.4  | 105   | -0.01    |
| 35   | Caprolactam                 | 0.141 | 0.128 | 9.2   | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.387 | 0.401 | -3.6  | 110   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.735 | 0.747 | -1.6  | 107   | -0.01    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 111   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.625 | 0.629 | -0.6  | 112   | -0.01    |
| 40 P | Hexachlorocyclopentadiene   | 0.347 | 0.282 | 18.7  | 87    | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.216 | 0.232 | -7.4  | 123   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.399 | 0.425 | -6.5  | 117   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.430 | 0.442 | -2.8  | 112   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.365 | 1.357 | 0.6   | 111   | -0.01    |

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|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.685 | 1.544 | 8.4   | 102   | -0.01    |
| 46   | 2-Chloronaphthalene        | 1.246 | 1.242 | 0.3   | 111   | -0.01    |
| 47   | 2-Nitroaniline             | 0.427 | 0.418 | 2.1   | 111   | 0.00     |
| 48   | Acenaphthylene             | 2.060 | 2.024 | 1.7   | 111   | -0.01    |
| 49   | Dimethylphthalate          | 1.729 | 1.624 | 6.1   | 110   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.330 | 0.358 | -8.5  | 121   | 0.00     |
| 51 C | Acenaphthene               | 1.317 | 1.280 | 2.8   | 109   | 0.00     |
| 52   | 3-Nitroaniline             | 0.366 | 0.361 | 1.4   | 112   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.106 | 0.098 | 7.5   | 107   | 0.00     |
| 54   | Dibenzofuran               | 1.798 | 1.777 | 1.2   | 112   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.313 | 0.299 | 4.5   | 104   | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 0.446 | 0.484 | -8.5  | 121   | 0.00     |
| 57   | Fluorene                   | 1.606 | 1.563 | 2.7   | 112   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.357 | 0.371 | -3.9  | 118   | 0.00     |
| 59   | Diethylphthalate           | 1.805 | 1.658 | 8.1   | 107   | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 0.791 | 0.794 | -0.4  | 115   | -0.01    |
| 61   | 4-Nitroaniline             | 0.402 | 0.381 | 5.2   | 103   | 0.00     |
| 62   | Azobenzene                 | 1.547 | 1.443 | 6.7   | 107   | -0.01    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 107   | -0.01    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.077 | 0.088 | -14.3 | 118   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.600 | 0.615 | -2.5  | 109   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.214 | 0.229 | -7.0  | 113   | -0.01    |
| 67   | Hexachlorobenzene          | 0.226 | 0.239 | -5.8  | 116   | 0.00     |
| 68   | Atrazine                   | 0.237 | 0.235 | 0.8   | 100   | 0.00     |
| 69 C | Pentachlorophenol          | 0.129 | 0.106 | 17.8  | 84    | 0.00     |
| 70   | Phenanthrene               | 1.102 | 1.088 | 1.3   | 106   | 0.00     |
| 71   | Anthracene                 | 1.119 | 1.096 | 2.1   | 104   | 0.00     |
| 72   | Carbazole                  | 1.044 | 0.974 | 6.7   | 98    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.329 | 1.241 | 6.6   | 94    | -0.02    |
| 74 C | Fluoranthene               | 1.316 | 1.230 | 6.5   | 97    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 76   | Benzidine                  | 0.623 | 0.624 | -0.2  | 93    | 0.00     |
| 77   | Pyrene                     | 1.153 | 1.158 | -0.4  | 97    | 0.00     |
| 78 S | Terphenyl-d14              | 0.802 | 0.845 | -5.4  | 101   | -0.01    |
| 79   | Butylbenzylphthalate       | 0.535 | 0.547 | -2.2  | 95    | -0.02    |
| 80   | Benzo(a)anthracene         | 1.151 | 1.147 | 0.3   | 94    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 0.911 | 0.771 | 15.4  | 79    | 0.00     |
| 82   | Chrysene                   | 1.106 | 1.107 | -0.1  | 95    | -0.01    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.783 | 0.779 | 0.5   | 94    | -0.03    |
| 84 c | Di-n-octyl phthalate       | 1.312 | 1.329 | -1.3  | 94    | -0.03    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.315 | 1.360 | -3.4  | 97    | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.160 | 1.170 | -0.9  | 93    | -0.01    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.135 | 1.132 | 0.3  | 95    | -0.01    |
| 89 C | Benzo(a)pyrene         | 1.124 | 1.131 | -0.6 | 96    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 1.127 | 1.171 | -3.9 | 98    | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 1.106 | 1.133 | -2.4 | 96    | 0.00     |

(#) = Out of Range

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