

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG032615\  
 Data File : BG016154.D  
 Acq On : 26 Mar 2015 23:17  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 27 03:49:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG032515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 27 03:23:37 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  | 108   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.483 | 0.466 | 3.5  | 105   | 0.00     |
| 3    | Pyridine                    | 1.509 | 1.433 | 5.0  | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.444 | 0.417 | 6.1  | 101   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.195 | 1.172 | 1.9  | 105   | 0.00     |
| 6    | Aniline                     | 2.373 | 2.312 | 2.6  | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 1.663 | 1.675 | -0.7 | 107   | 0.00     |
| 8    | 2-Chlorophenol              | 1.418 | 1.429 | -0.8 | 109   | 0.00     |
| 9    | Benzaldehyde                | 0.695 | 0.717 | -3.2 | 106   | 0.00     |
| 10 C | Phenol                      | 1.828 | 1.841 | -0.7 | 108   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.483 | 1.418 | 4.4  | 104   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.532 | 1.501 | 2.0  | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.590 | 1.584 | 0.4  | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.503 | 1.496 | 0.5  | 108   | 0.00     |
| 15   | Benzyl Alcohol              | 1.229 | 1.177 | 4.2  | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.666 | 1.495 | 10.3 | 97    | 0.00     |
| 17   | 2-Methylphenol              | 1.289 | 1.269 | 1.6  | 106   | 0.00     |
| 18   | Hexachloroethane            | 0.570 | 0.547 | 4.0  | 105   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.219 | 1.146 | 6.0  | 102   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.749 | 1.765 | -0.9 | 107   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 107   | 0.00     |
| 22   | Acetophenone                | 0.450 | 0.439 | 2.4  | 106   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.323 | 0.311 | 3.7  | 104   | 0.00     |
| 24   | Nitrobenzene                | 0.347 | 0.336 | 3.2  | 105   | 0.00     |
| 25   | Isophorone                  | 0.732 | 0.692 | 5.5  | 102   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.188 | 0.190 | -1.1 | 106   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.315 | 0.313 | 0.6  | 107   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.420 | 0.402 | 4.3  | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.277 | 0.283 | -2.2 | 108   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.299 | 0.301 | -0.7 | 109   | 0.00     |
| 31   | Naphthalene                 | 1.072 | 1.056 | 1.5  | 107   | 0.00     |
| 32   | Benzoic acid                | 0.193 | 0.200 | -3.6 | 110   | 0.00     |
| 33   | 4-Chloroaniline             | 0.469 | 0.465 | 0.9  | 106   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.162 | 0.164 | -1.2 | 109   | 0.00     |
| 35   | Caprolactam                 | 0.151 | 0.141 | 6.6  | 100   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.327 | 0.326 | 0.3  | 107   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.765 | 0.760 | 0.7  | 107   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 107   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.504 | 0.511 | -1.4 | 108   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.295 | 0.298 | -1.0 | 105   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.230 | 0.237 | -3.0 | 108   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.360 | 0.372 | -3.3 | 109   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.392 | 0.413 | -5.4 | 112   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.195 | 1.199 | -0.3 | 108   | 0.00     |

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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) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.467 | 1.476 | -0.6 | 109   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.144 | 1.140 | 0.3  | 107   | 0.00     |
| 47   | 2-Nitroaniline             | 0.329 | 0.314 | 4.6  | 103   | 0.00     |
| 48   | Acenaphthylene             | 2.090 | 2.081 | 0.4  | 106   | 0.00     |
| 49   | Dimethylphthalate          | 1.402 | 1.380 | 1.6  | 107   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.333 | 0.335 | -0.6 | 107   | 0.00     |
| 51 C | Acenaphthene               | 1.261 | 1.247 | 1.1  | 108   | 0.00     |
| 52   | 3-Nitroaniline             | 0.407 | 0.404 | 0.7  | 105   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.179 | 0.146 | 18.4 | 84    | 0.00     |
| 54   | Dibenzofuran               | 1.762 | 1.751 | 0.6  | 108   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.330 | 0.324 | 1.8  | 101   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.456 | 0.460 | -0.9 | 107   | 0.00     |
| 57   | Fluorene                   | 1.572 | 1.539 | 2.1  | 104   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.350 | 0.362 | -3.4 | 112   | 0.00     |
| 59   | Diethylphthalate           | 1.442 | 1.394 | 3.3  | 104   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.692 | 0.680 | 1.7  | 106   | 0.00     |
| 61   | 4-Nitroaniline             | 0.461 | 0.452 | 2.0  | 103   | 0.00     |
| 62   | Azobenzene                 | 1.485 | 1.409 | 5.1  | 103   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 105   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.133 | 0.126 | 5.3  | 97    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.638 | 0.646 | -1.3 | 106   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.205 | 0.204 | 0.5  | 105   | 0.00     |
| 67   | Hexachlorobenzene          | 0.231 | 0.232 | -0.4 | 107   | 0.00     |
| 68   | Atrazine                   | 0.190 | 0.186 | 2.1  | 104   | 0.00     |
| 69 C | Pentachlorophenol          | 0.132 | 0.132 | 0.0  | 100   | 0.00     |
| 70   | Phenanthrene               | 1.122 | 1.105 | 1.5  | 105   | 0.00     |
| 71   | Anthracene                 | 1.116 | 1.112 | 0.4  | 105   | 0.00     |
| 72   | Carbazole                  | 1.095 | 1.083 | 1.1  | 104   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.239 | 1.193 | 3.7  | 100   | 0.00     |
| 74 C | Fluoranthene               | 1.250 | 1.229 | 1.7  | 102   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 103   | 0.00     |
| 76   | Benzidine                  | 0.524 | 0.474 | 9.5  | 88    | 0.00     |
| 77   | Pyrene                     | 1.233 | 1.228 | 0.4  | 102   | 0.00     |
| 78 S | Terphenyl-d14              | 0.794 | 0.785 | 1.1  | 100   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.514 | 0.512 | 0.4  | 100   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.134 | 1.125 | 0.8  | 101   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.394 | 0.386 | 2.0  | 99    | 0.00     |
| 82   | Chrysene                   | 1.039 | 1.036 | 0.3  | 103   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.706 | 0.683 | 3.3  | 98    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.191 | 1.146 | 3.8  | 98    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.336 | 1.333 | 0.2  | 103   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 103   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.158 | 1.172 | -1.2 | 106   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.127 | 1.133 | -0.5 | 102   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.079 | 1.082 | -0.3 | 102   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.125 | 1.128 | -0.3 | 103   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.115 | 1.109 | 0.5  | 102   | 0.00     |

(#) = Out of Range

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