

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091415\  
 Data File : BG018661.D  
 Acq On : 14 Sep 2015 14:32  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 15 01:19:34 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 11 10:44:16 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  | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.484 | 0.485 | -0.2 | 127   | 0.00     |
| 3    | Pyridine                    | 1.500 | 1.455 | 3.0  | 116   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.522 | 0.506 | 3.1  | 114   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.158 | 1.175 | -1.5 | 121   | 0.00     |
| 6    | Aniline                     | 2.288 | 2.281 | 0.3  | 117   | 0.00     |
| 7 S  | Phenol-d6                   | 1.660 | 1.689 | -1.7 | 119   | 0.00     |
| 8    | 2-Chlorophenol              | 1.337 | 1.362 | -1.9 | 122   | 0.00     |
| 9    | Benzaldehyde                | 0.894 | 0.890 | 0.4  | 113   | 0.00     |
| 10 C | Phenol                      | 1.754 | 1.765 | -0.6 | 119   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.359 | 1.345 | 1.0  | 119   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.555 | 1.539 | 1.0  | 120   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.560 | 1.565 | -0.3 | 119   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.489 | 1.521 | -2.1 | 121   | 0.00     |
| 15   | Benzyl Alcohol              | 1.197 | 1.209 | -1.0 | 117   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.543 | 1.460 | 5.4  | 115   | 0.00     |
| 17   | 2-Methylphenol              | 1.219 | 1.230 | -0.9 | 120   | 0.00     |
| 18   | Hexachloroethane            | 0.558 | 0.545 | 2.3  | 117   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.169 | 1.147 | 1.9  | 118   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.711 | 1.725 | -0.8 | 121   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 112   | 0.00     |
| 22   | Acetophenone                | 0.507 | 0.492 | 3.0  | 117   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.357 | 0.348 | 2.5  | 118   | 0.00     |
| 24   | Nitrobenzene                | 0.380 | 0.372 | 2.1  | 118   | 0.00     |
| 25   | Isophorone                  | 0.769 | 0.724 | 5.9  | 115   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.177 | 0.181 | -2.3 | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.322 | 0.313 | 2.8  | 118   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.441 | 0.428 | 2.9  | 117   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.325 | 0.331 | -1.8 | 120   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.360 | 0.361 | -0.3 | 121   | 0.00     |
| 31   | Naphthalene                 | 1.071 | 1.059 | 1.1  | 120   | 0.00     |
| 32   | Benzoic acid                | 0.237 | 0.243 | -2.5 | 119   | 0.00     |
| 33   | 4-Chloroaniline             | 0.485 | 0.480 | 1.0  | 121   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.212 | 0.213 | -0.5 | 125   | 0.00     |
| 35   | Caprolactam                 | 0.140 | 0.136 | 2.9  | 113   | 0.04     |
| 36 C | 4-Chloro-3-methylphenol     | 0.363 | 0.361 | 0.6  | 121   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.784 | 0.773 | 1.4  | 120   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 110   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.634 | 0.641 | -1.1 | 122   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.319 | 0.338 | -6.0 | 122   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.269 | 0.281 | -4.5 | 125   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.439 | 0.468 | -6.6 | 123   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.482 | 0.479 | 0.6  | 119   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.441 | 1.402 | 2.7  | 117   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.590 | 1.594 | -0.3 | 121   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.225 | 1.232 | -0.6 | 122   | 0.00     |
| 47   | 2-Nitroaniline             | 0.369 | 0.365 | 1.1  | 114   | 0.00     |
| 48   | Acenaphthylene             | 2.166 | 2.161 | 0.2  | 119   | 0.00     |
| 49   | Dimethylphthalate          | 1.656 | 1.631 | 1.5  | 120   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.360 | 0.371 | -3.1 | 120   | 0.00     |
| 51 C | Acenaphthene               | 1.260 | 1.315 | -4.4 | 126   | 0.00     |
| 52   | 3-Nitroaniline             | 0.430 | 0.444 | -3.3 | 120   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.152 | 0.156 | -2.6 | 115   | 0.00     |
| 54   | Dibenzofuran               | 1.958 | 1.941 | 0.9  | 120   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.332 | 0.343 | -3.3 | 116   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.510 | 0.543 | -6.5 | 121   | 0.00     |
| 57   | Fluorene                   | 1.686 | 1.644 | 2.5  | 118   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.452 | 0.452 | 0.0  | 123   | 0.00     |
| 59   | Diethylphthalate           | 1.727 | 1.677 | 2.9  | 117   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.810 | 0.816 | -0.7 | 121   | 0.00     |
| 61   | 4-Nitroaniline             | 0.464 | 0.471 | -1.5 | 118   | 0.01     |
| 62   | Azobenzene                 | 1.527 | 1.482 | 2.9  | 115   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 115   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.100 | 0.103 | -3.0 | 123   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.579 | 0.556 | 4.0  | 118   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.203 | 0.204 | -0.5 | 122   | 0.00     |
| 67   | Hexachlorobenzene          | 0.221 | 0.227 | -2.7 | 125   | 0.00     |
| 68   | Atrazine                   | 0.230 | 0.219 | 4.8  | 114   | 0.00     |
| 69 C | Pentachlorophenol          | 0.136 | 0.146 | -7.4 | 122   | 0.00     |
| 70   | Phenanthrene               | 1.052 | 1.013 | 3.7  | 117   | 0.00     |
| 71   | Anthracene                 | 1.065 | 1.027 | 3.6  | 118   | 0.00     |
| 72   | Carbazole                  | 1.031 | 1.000 | 3.0  | 116   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.216 | 1.201 | 1.2  | 116   | 0.00     |
| 74 C | Fluoranthene               | 1.303 | 1.262 | 3.1  | 117   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 112   | 0.00     |
| 76   | Benzidine                  | 0.601 | 0.614 | -2.2 | 118   | 0.00     |
| 77   | Pyrene                     | 1.229 | 1.212 | 1.4  | 117   | 0.00     |
| 78 S | Terphenyl-d14              | 0.762 | 0.735 | 3.5  | 115   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.500 | 0.512 | -2.4 | 118   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.151 | 1.139 | 1.0  | 117   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.437 | 0.455 | -4.1 | 121   | 0.00     |
| 82   | Chrysene                   | 1.084 | 1.056 | 2.6  | 116   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.721 | 0.735 | -1.9 | 118   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.219 | 1.257 | -3.1 | 120   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.377 | 1.406 | -2.1 | 120   | 0.01     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 114   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.160 | 1.154 | 0.5  | 120   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.162 | 1.130 | 2.8  | 121   | 0.01     |
| 89 C | Benzo(a)pyrene         | 1.104 | 1.104 | 0.0  | 121   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.087 | 1.100 | -1.2 | 122   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.107 | 1.099 | 0.7  | 121   | 0.01     |

(#) = Out of Range

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