

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG071417\  
 Data File : BG027941.D  
 Acq On : 15 Jul 2017 1:38  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 15 02:24:21 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 16:10:34 2017  
 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  | 98    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.416 | 0.385 | 7.5  | 93    | 0.00     |
| 3    | Pyridine                    | 1.194 | 1.223 | -2.4 | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.671 | 0.667 | 0.6  | 99    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.118 | 1.088 | 2.7  | 98    | 0.00     |
| 6    | Aniline                     | 1.875 | 1.835 | 2.1  | 95    | 0.00     |
| 7 S  | Phenol-d6                   | 1.611 | 1.578 | 2.0  | 96    | 0.00     |
| 8    | 2-Chlorophenol              | 1.279 | 1.261 | 1.4  | 100   | 0.00     |
| 9    | Benzaldehyde                | 0.882 | 0.860 | 2.5  | 95    | 0.00     |
| 10 C | Phenol                      | 1.689 | 1.625 | 3.8  | 95    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.238 | 1.165 | 5.9  | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.498 | 1.467 | 2.1  | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.549 | 1.499 | 3.2  | 97    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.504 | 1.472 | 2.1  | 98    | 0.00     |
| 15   | Benzyl Alcohol              | 0.984 | 1.056 | -7.3 | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.498 | 2.276 | 8.9  | 93    | 0.00     |
| 17   | 2-Methylphenol              | 1.111 | 1.073 | 3.4  | 96    | 0.00     |
| 18   | Hexachloroethane            | 0.504 | 0.490 | 2.8  | 98    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.125 | 1.085 | 3.6  | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.560 | 1.513 | 3.0  | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 22   | Acetophenone                | 0.482 | 0.480 | 0.4  | 98    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.358 | 0.359 | -0.3 | 97    | 0.00     |
| 24   | Nitrobenzene                | 0.376 | 0.372 | 1.1  | 95    | 0.00     |
| 25   | Isophorone                  | 0.684 | 0.673 | 1.6  | 94    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.186 | -2.8 | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.317 | 0.310 | 2.2  | 93    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.400 | 0.389 | 2.8  | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.343 | 0.350 | -2.0 | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.385 | 0.386 | -0.3 | 99    | 0.00     |
| 31   | Naphthalene                 | 0.997 | 0.973 | 2.4  | 96    | 0.00     |
| 32   | Benzoic acid                | 0.154 | 0.160 | -3.9 | 104   | 0.00     |
| 33   | 4-Chloroaniline             | 0.408 | 0.407 | 0.2  | 95    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.269 | 0.278 | -3.3 | 102   | 0.00     |
| 35   | Caprolactam                 | 0.105 | 0.108 | -2.9 | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.370 | 0.369 | 0.3  | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.761 | 0.762 | -0.1 | 98    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.791 | 0.818 | -3.4 | 103   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.369 | 0.382 | -3.5 | 99    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.296 | 0.315 | -6.4 | 103   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.479 | 0.502 | -4.8 | 101   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.505 | 0.515 | -2.0 | 97    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.517 | 1.528 | -0.7 | 99    | 0.00     |

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|      | Compound                   | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.719 | 1.698 | 1.2  | 97    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.251 | 1.231 | 1.6  | 98    | 0.00     |
| 47   | 2-Nitroaniline             | 0.374 | 0.371 | 0.8  | 95    | 0.00     |
| 48   | Acenaphthylene             | 1.991 | 1.960 | 1.6  | 96    | 0.00     |
| 49   | Dimethylphthalate          | 1.670 | 1.661 | 0.5  | 97    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.357 | 0.359 | -0.6 | 97    | 0.00     |
| 51 C | Acenaphthene               | 1.249 | 1.205 | 3.5  | 91    | 0.00     |
| 52   | 3-Nitroaniline             | 0.338 | 0.344 | -1.8 | 96    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.202 | 0.204 | -1.0 | 95    | 0.00     |
| 54   | Dibenzofuran               | 1.909 | 1.878 | 1.6  | 99    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.253 | 0.253 | 0.0  | 97    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.493 | 0.500 | -1.4 | 97    | 0.00     |
| 57   | Fluorene                   | 1.706 | 1.700 | 0.4  | 97    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.448 | 0.479 | -6.9 | 102   | 0.00     |
| 59   | Diethylphthalate           | 1.619 | 1.579 | 2.5  | 95    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.941 | 0.960 | -2.0 | 101   | 0.00     |
| 61   | 4-Nitroaniline             | 0.361 | 0.347 | 3.9  | 93    | 0.00     |
| 62   | Azobenzene                 | 1.269 | 1.232 | 2.9  | 94    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 97    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.133 | 0.137 | -3.0 | 101   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.584 | 0.581 | 0.5  | 97    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.249 | 0.257 | -3.2 | 100   | 0.00     |
| 67   | Hexachlorobenzene          | 0.272 | 0.281 | -3.3 | 102   | 0.00     |
| 68   | Atrazine                   | 0.224 | 0.234 | -4.5 | 99    | 0.00     |
| 69 C | Pentachlorophenol          | 0.152 | 0.159 | -4.6 | 102   | 0.00     |
| 70   | Phenanthrene               | 1.046 | 1.044 | 0.2  | 99    | 0.00     |
| 71   | Anthracene                 | 1.042 | 1.039 | 0.3  | 98    | 0.00     |
| 72   | Carbazole                  | 0.938 | 0.941 | -0.3 | 98    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.030 | 1.047 | -1.7 | 97    | 0.00     |
| 74 C | Fluoranthene               | 1.256 | 1.285 | -2.3 | 100   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 76   | Benzidine                  | 0.467 | 0.376 | 19.5 | 72    | 0.00     |
| 77   | Pyrene                     | 1.069 | 1.068 | 0.1  | 99    | 0.00     |
| 78 S | Terphenyl-d14              | 0.885 | 0.894 | -1.0 | 101   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.384 | 0.380 | 1.0  | 97    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.099 | 1.095 | 0.4  | 99    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.432 | 0.432 | 0.0  | 97    | 0.00     |
| 82   | Chrysene                   | 1.052 | 1.041 | 1.0  | 100   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.559 | 0.553 | 1.1  | 96    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 0.949 | 0.950 | -0.1 | 97    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.216 | 1.251 | -2.9 | 101   | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 100   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.169 | 1.183 | -1.2 | 103   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.168 | 1.181 | -1.1 | 100   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.102 | 1.114 | -1.1 | 101   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.113 | 1.120 | -0.6 | 100   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.073 | 1.077 | -0.4 | 101   | 0.00     |

(#) = Out of Range

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