

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\  
 Data File : BM009335.D  
 Acq On : 23 Mar 2017 01:21  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 23 04:06:42 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 22 16:43:02 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                    | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 98    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.603 | 0.609 | -1.0 | 103   | 0.00     |
| 3    | Pyridine                    | 1.705 | 1.751 | -2.7 | 97    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.908 | 0.921 | -1.4 | 98    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.200 | 1.224 | -2.0 | 99    | 0.00     |
| 6    | Aniline                     | 2.224 | 2.235 | -0.5 | 94    | 0.00     |
| 7 S  | Phenol-d6                   | 1.636 | 1.672 | -2.2 | 95    | 0.00     |
| 8    | 2-Chlorophenol              | 1.217 | 1.235 | -1.5 | 94    | 0.00     |
| 9    | Benzaldehyde                | 1.288 | 1.251 | 2.9  | 93    | 0.00     |
| 10 C | Phenol                      | 1.773 | 1.784 | -0.6 | 95    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.453 | 1.464 | -0.8 | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.457 | 1.506 | -3.4 | 98    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.505 | 1.554 | -3.3 | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.461 | 1.477 | -1.1 | 95    | 0.00     |
| 15   | Benzyl Alcohol              | 1.430 | 1.435 | -0.3 | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.526 | 2.462 | 2.5  | 94    | 0.00     |
| 17   | 2-Methylphenol              | 1.160 | 1.186 | -2.2 | 95    | 0.00     |
| 18   | Hexachloroethane            | 0.616 | 0.612 | 0.6  | 93    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.319 | 1.316 | 0.2  | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.577 | 1.586 | -0.6 | 94    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 95    | 0.00     |
| 22   | Acetophenone                | 0.564 | 0.566 | -0.4 | 92    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.533 | 0.543 | -1.9 | 94    | 0.00     |
| 24   | Nitrobenzene                | 0.523 | 0.532 | -1.7 | 94    | 0.00     |
| 25   | Isophorone                  | 0.814 | 0.825 | -1.4 | 93    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.158 | 0.170 | -7.6 | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.288 | 0.292 | -1.4 | 94    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.504 | 0.499 | 1.0  | 93    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.301 | 0.316 | -5.0 | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.374 | 0.386 | -3.2 | 95    | 0.00     |
| 31   | Naphthalene                 | 1.062 | 1.076 | -1.3 | 94    | 0.00     |
| 32   | Benzoic acid                | 0.196 | 0.198 | -1.0 | 94    | 0.00     |
| 33   | 4-Chloroaniline             | 0.409 | 0.420 | -2.7 | 94    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.256 | 0.260 | -1.6 | 96    | 0.00     |
| 35   | Caprolactam                 | 0.092 | 0.095 | -3.3 | 95    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.341 | 0.347 | -1.8 | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.733 | 0.735 | -0.3 | 93    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.755 | 0.773 | -2.4 | 95    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.433 | 0.450 | -3.9 | 94    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.248 | 0.265 | -6.9 | 97    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.432 | 0.449 | -3.9 | 93    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.482 | 0.506 | -5.0 | 95    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.660 | 1.686 | -1.6 | 94    | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.665 | 1.699 | -2.0 | 94    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.293 | 1.295 | -0.2 | 93    | 0.00     |
| 47   | 2-Nitroaniline             | 0.476 | 0.508 | -6.7 | 96    | 0.00     |
| 48   | Acenaphthylene             | 2.106 | 2.187 | -3.8 | 95    | 0.00     |
| 49   | Dimethylphthalate          | 1.536 | 1.554 | -1.2 | 95    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.331 | 0.348 | -5.1 | 94    | 0.00     |
| 51 C | Acenaphthene               | 1.271 | 1.296 | -2.0 | 95    | 0.00     |
| 52   | 3-Nitroaniline             | 0.326 | 0.343 | -5.2 | 94    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.195 | 0.196 | -0.5 | 97    | 0.00     |
| 54   | Dibenzofuran               | 1.879 | 1.918 | -2.1 | 96    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.269 | 0.270 | -0.4 | 92    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.448 | 0.474 | -5.8 | 98    | 0.00     |
| 57   | Fluorene                   | 1.689 | 1.686 | 0.2  | 93    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.407 | 0.426 | -4.7 | 97    | 0.00     |
| 59   | Diethylphthalate           | 1.558 | 1.579 | -1.3 | 95    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.882 | 0.890 | -0.9 | 95    | 0.00     |
| 61   | 4-Nitroaniline             | 0.354 | 0.373 | -5.4 | 100   | 0.00     |
| 62   | Azobenzene                 | 1.819 | 1.877 | -3.2 | 95    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.126 | 0.126 | 0.0  | 95    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.608 | 0.634 | -4.3 | 95    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.232 | 0.242 | -4.3 | 99    | 0.00     |
| 67   | Hexachlorobenzene          | 0.254 | 0.254 | 0.0  | 95    | 0.00     |
| 68   | Atrazine                   | 0.228 | 0.241 | -5.7 | 99    | 0.00     |
| 69 C | Pentachlorophenol          | 0.155 | 0.160 | -3.2 | 99    | 0.00     |
| 70   | Phenanthrene               | 1.144 | 1.162 | -1.6 | 97    | 0.00     |
| 71   | Anthracene                 | 1.158 | 1.196 | -3.3 | 97    | 0.00     |
| 72   | Carbazole                  | 1.109 | 1.163 | -4.9 | 100   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.133 | 1.180 | -4.1 | 97    | 0.00     |
| 74 C | Fluoranthene               | 1.355 | 1.421 | -4.9 | 102   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 104   | 0.00     |
| 76   | Benzidine                  | 0.596 | 0.602 | -1.0 | 100   | 0.00     |
| 77   | Pyrene                     | 1.134 | 1.149 | -1.3 | 101   | 0.00     |
| 78 S | Terphenyl-d14              | 0.957 | 0.969 | -1.3 | 100   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.408 | 0.427 | -4.7 | 102   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.168 | 1.176 | -0.7 | 104   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.437 | 0.462 | -5.7 | 107   | 0.00     |
| 82   | Chrysene                   | 1.115 | 1.126 | -1.0 | 104   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.610 | 0.612 | -0.3 | 99    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.014 | 1.064 | -4.9 | 104   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.216 | 1.252 | -3.0 | 108   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 107   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.268 | 1.276 | -0.6 | 104   | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.219 | 1.272 | -4.3 | 108   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.174 | 1.219 | -3.8 | 108   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.150 | 1.188 | -3.3 | 108   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.121 | 1.161 | -3.6 | 108   | 0.00     |

(#) = Out of Range

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