

Data Path : Z:\HPCHEM1\BNA G\Data\BG040417\  
 Data File : BG026555.D  
 Acq On : 4 Apr 2017 22:34  
 Operator : SJ/MA  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 05 03:53:06 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 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   | 176#  | 0.00     |
| 2    | 1,4-Dioxane                 | 0.506 | 0.468 | 7.5   | 166#  | 0.00     |
| 3    | Pyridine                    | 1.385 | 1.280 | 7.6   | 158#  | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.379 | 0.343 | 9.5   | 157#  | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.127 | 1.105 | 2.0   | 172#  | 0.00     |
| 6    | Aniline                     | 2.021 | 1.856 | 8.2   | 158#  | 0.00     |
| 7 S  | Phenol-d6                   | 1.513 | 1.426 | 5.8   | 162#  | 0.00     |
| 8    | 2-Chlorophenol              | 1.269 | 1.262 | 0.6   | 173#  | 0.00     |
| 9    | Benzaldehyde                | 1.021 | 0.790 | 22.6  | 133   | 0.00     |
| 10 C | Phenol                      | 1.614 | 1.523 | 5.6   | 162#  | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.324 | 1.225 | 7.5   | 164#  | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.510 | 1.503 | 0.5   | 173#  | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.528 | 1.532 | -0.3  | 174#  | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.462 | 1.465 | -0.2  | 174#  | 0.00     |
| 15   | Benzyl Alcohol              | 0.992 | 0.909 | 8.4   | 157#  | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.470 | 1.203 | 18.2  | 142   | 0.00     |
| 17   | 2-Methylphenol              | 1.147 | 1.094 | 4.6   | 167#  | 0.00     |
| 18   | Hexachloroethane            | 0.500 | 0.486 | 2.8   | 168#  | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.973 | 0.852 | 12.4  | 152#  | 0.00     |
| 20   | 3+4-Methylphenols           | 1.578 | 1.536 | 2.7   | 164#  | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 170#  | 0.00     |
| 22   | Acetophenone                | 0.460 | 0.452 | 1.7   | 161#  | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.333 | 0.313 | 6.0   | 155#  | 0.00     |
| 24   | Nitrobenzene                | 0.328 | 0.306 | 6.7   | 154#  | 0.00     |
| 25   | Isophorone                  | 0.627 | 0.587 | 6.4   | 155#  | 0.00     |
| 26 C | 2-Nitrophenol               | 0.171 | 0.184 | -7.6  | 173#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.281 | 0.288 | -2.5  | 169#  | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.407 | 0.392 | 3.7   | 160#  | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.284 | 0.309 | -8.8  | 178#  | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.319 | 0.341 | -6.9  | 178#  | 0.00     |
| 31   | Naphthalene                 | 1.011 | 0.996 | 1.5   | 165#  | 0.00     |
| 32   | Benzoic acid                | 0.216 | 0.200 | 7.4   | 152#  | 0.01     |
| 33   | 4-Chloroaniline             | 0.411 | 0.417 | -1.5  | 167#  | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.188 | 0.205 | -9.0  | 183#  | 0.00     |
| 35   | Caprolactam                 | 0.112 | 0.107 | 4.5   | 159#  | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.303 | 0.299 | 1.3   | 163#  | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.741 | 0.744 | -0.4  | 167#  | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 171#  | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.602 | 0.643 | -6.8  | 182#  | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.317 | 0.320 | -0.9  | 170#  | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.229 | 0.262 | -14.4 | 195#  | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.394 | 0.412 | -4.6  | 175#  | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.436 | 0.465 | -6.7  | 181#  | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.426 | 1.365 | 4.3   | 164#  | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.656 | 1.614 | 2.5   | 166#  | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.210 | 1.209 | 0.1   | 172#  | -0.01    |
| 47   | 2-Nitroaniline             | 0.344 | 0.313 | 9.0   | 149   | 0.00     |
| 48   | Acenaphthylene             | 2.109 | 2.030 | 3.7   | 164#  | 0.00     |
| 49   | Dimethylphthalate          | 1.510 | 1.471 | 2.6   | 166#  | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.352 | 0.369 | -4.8  | 169#  | 0.00     |
| 51 C | Acenaphthene               | 1.299 | 1.268 | 2.4   | 167#  | 0.00     |
| 52   | 3-Nitroaniline             | 0.388 | 0.392 | -1.0  | 165#  | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.204 | 0.160 | 21.6  | 131   | 0.00     |
| 54   | Dibenzofuran               | 1.828 | 1.781 | 2.6   | 167#  | 0.00     |
| 55 P | 4-Nitrophenol              | 0.318 | 0.314 | 1.3   | 161#  | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.496 | 0.514 | -3.6  | 169#  | 0.00     |
| 57   | Fluorene                   | 1.627 | 1.584 | 2.6   | 166#  | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.380 | 0.412 | -8.4  | 185#  | 0.00     |
| 59   | Diethylphthalate           | 1.543 | 1.465 | 5.1   | 162#  | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.771 | 0.790 | -2.5  | 177#  | 0.00     |
| 61   | 4-Nitroaniline             | 0.410 | 0.417 | -1.7  | 167#  | 0.00     |
| 62   | Azobenzene                 | 1.255 | 1.102 | 12.2  | 149   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 171#  | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.126 | 0.132 | -4.8  | 169#  | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.587 | 0.588 | -0.2  | 168#  | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.206 | 0.227 | -10.2 | 181#  | 0.00     |
| 67   | Hexachlorobenzene          | 0.220 | 0.242 | -10.0 | 186#  | 0.00     |
| 68   | Atrazine                   | 0.222 | 0.221 | 0.5   | 163#  | 0.00     |
| 69 C | Pentachlorophenol          | 0.143 | 0.149 | -4.2  | 171#  | 0.00     |
| 70   | Phenanthrene               | 1.074 | 1.026 | 4.5   | 161#  | 0.00     |
| 71   | Anthracene                 | 1.096 | 1.063 | 3.0   | 163#  | 0.00     |
| 72   | Carbazole                  | 1.128 | 1.089 | 3.5   | 163#  | 0.00     |
| 73   | Di-n-butylphthalate        | 1.159 | 1.071 | 7.6   | 154#  | 0.00     |
| 74 C | Fluoranthene               | 1.263 | 1.214 | 3.9   | 163#  | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 175#  | 0.00     |
| 76   | Benzidine                  | 0.690 | 0.512 | 25.8# | 120   | 0.00     |
| 77   | Pyrene                     | 1.158 | 1.093 | 5.6   | 159#  | 0.00     |
| 78 S | Terphenyl-d14              | 0.824 | 0.740 | 10.2  | 155#  | 0.00     |
| 79   | Butylbenzylphthalate       | 0.463 | 0.455 | 1.7   | 165#  | 0.00     |
| 80   | Benzo(a)anthracene         | 1.125 | 1.083 | 3.7   | 166#  | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.461 | 0.463 | -0.4  | 171#  | 0.00     |
| 82   | Chrysene                   | 1.075 | 1.038 | 3.4   | 166#  | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.700 | 0.657 | 6.1   | 160#  | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.194 | 1.103 | 7.6   | 156#  | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.328 | 1.402 | -5.6  | 178#  | -0.02    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 180#  | -0.02    |
| 87   | Benzo(b)fluoranthene       | 1.179 | 1.152 | 2.3   | 176#  | -0.01    |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.143 | 1.116 | 2.4  | 170#  | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.131 | 1.106 | 2.2  | 174#  | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 1.143 | 1.154 | -1.0 | 179#  | -0.02    |
| 91   | Benzo(a,h,i)perylene   | 1.152 | 1.157 | -0.4 | 178#  | -0.02    |

(#) = Out of Range

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