

Data Path : Z:\HPCHEM1\BNA G\Data\BG120117\  
 Data File : BG031335.D  
 Acq On : 2 Dec 2017 2:32  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 02 04:54:00 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 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   | 159#  | -0.02    |
| 2    | 1,4-Dioxane                 | 0.473 | 0.487 | -3.0  | 165#  | -0.03    |
| 3    | Pyridine                    | 1.374 | 1.418 | -3.2  | 157#  | -0.03    |
| 4    | n-Nitrosodimethylamine      | 0.651 | 0.606 | 6.9   | 143   | -0.02    |
| 5 S  | 2-Fluorophenol              | 1.166 | 1.187 | -1.8  | 158#  | -0.02    |
| 6    | Aniline                     | 2.068 | 2.035 | 1.6   | 152#  | -0.02    |
| 7 S  | Phenol-d6                   | 1.571 | 1.598 | -1.7  | 155#  | -0.01    |
| 8    | 2-Chlorophenol              | 1.287 | 1.308 | -1.6  | 157#  | -0.02    |
| 9    | Benzaldehyde                | 1.100 | 0.927 | 15.7  | 131   | -0.03    |
| 10 C | Phenol                      | 1.632 | 1.631 | 0.1   | 153#  | -0.02    |
| 11   | bis(2-Chloroethyl)ether     | 1.303 | 1.315 | -0.9  | 157#  | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.510 | 1.523 | -0.9  | 159#  | -0.02    |
| 13 C | 1,4-Dichlorobenzene         | 1.530 | 1.557 | -1.8  | 160#  | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.469 | 1.498 | -2.0  | 159#  | -0.03    |
| 15   | Benzyl Alcohol              | 1.260 | 1.169 | 7.2   | 141   | -0.02    |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.439 | 1.285 | 10.7  | 140   | -0.03    |
| 17   | 2-Methylphenol              | 1.136 | 1.115 | 1.8   | 150#  | -0.02    |
| 18   | Hexachloroethane            | 0.533 | 0.530 | 0.6   | 153#  | -0.03    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.195 | 1.087 | 9.0   | 138   | -0.02    |
| 20   | 3+4-Methylphenols           | 1.616 | 1.603 | 0.8   | 151#  | -0.02    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 153#  | -0.02    |
| 22   | Acetophenone                | 0.498 | 0.494 | 0.8   | 147   | -0.02    |
| 23 S | Nitrobenzene-d5             | 0.338 | 0.328 | 3.0   | 145   | -0.02    |
| 24   | Nitrobenzene                | 0.345 | 0.337 | 2.3   | 145   | -0.02    |
| 25   | Isophorone                  | 0.658 | 0.611 | 7.1   | 138   | -0.02    |
| 26 C | 2-Nitrophenol               | 0.180 | 0.183 | -1.7  | 152#  | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.267 | 0.269 | -0.7  | 149   | -0.02    |
| 28   | bis(2-Chloroethoxy)methane  | 0.415 | 0.410 | 1.2   | 147   | -0.03    |
| 29 C | 2,4-Dichlorophenol          | 0.320 | 0.333 | -4.1  | 150#  | -0.02    |
| 30   | 1,2,4-Trichlorobenzene      | 0.382 | 0.393 | -2.9  | 153#  | -0.03    |
| 31   | Naphthalene                 | 0.983 | 0.976 | 0.7   | 151#  | -0.03    |
| 32   | Benzoic acid                | 0.204 | 0.173 | 15.2  | 124   | 0.01     |
| 33   | 4-Chloroaniline             | 0.430 | 0.432 | -0.5  | 147   | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.265 | 0.261 | 1.5   | 151#  | -0.03    |
| 35   | Caprolactam                 | 0.131 | 0.113 | 13.7  | 134   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.349 | 0.335 | 4.0   | 142   | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.759 | 0.760 | -0.1  | 151#  | -0.02    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 150   | -0.02    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.794 | 0.797 | -0.4  | 148   | -0.02    |
| 40 P | Hexachlorocyclopentadiene   | 0.221 | 0.249 | -12.7 | 161#  | -0.02    |
| 41 S | 2,4,6-Tribromophenol        | 0.324 | 0.267 | 17.6  | 123   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol       | 0.454 | 0.454 | 0.0   | 144   | -0.02    |
| 43   | 2,4,5-Trichlorophenol       | 0.496 | 0.485 | 2.2   | 143   | -0.01    |
| 44 S | 2-Fluorobiphenyl            | 1.392 | 1.358 | 2.4   | 145   | -0.02    |

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

|      | Compound                   | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|----------------------------|-------|-------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.658 | 1.648 | 0.6  | 148   | -0.02    |
| 46   | 2-Chloronaphthalene        | 1.197 | 1.221 | -2.0 | 150   | -0.02    |
| 47   | 2-Nitroaniline             | 0.355 | 0.331 | 6.8  | 137   | -0.01    |
| 48   | Acenaphthylene             | 1.958 | 1.958 | 0.0  | 148   | -0.02    |
| 49   | Dimethylphthalate          | 1.729 | 1.669 | 3.5  | 144   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 0.356 | 0.365 | -2.5 | 147   | -0.02    |
| 51 C | Acenaphthene               | 1.223 | 1.225 | -0.2 | 149   | -0.02    |
| 52   | 3-Nitroaniline             | 0.378 | 0.367 | 2.9  | 140   | -0.01    |
| 53 P | 2,4-Dinitrophenol          | 0.169 | 0.138 | 18.3 | 114   | 0.00     |
| 54   | Dibenzofuran               | 1.948 | 1.937 | 0.6  | 146   | -0.02    |
| 55 P | 4-Nitrophenol              | 0.270 | 0.244 | 9.6  | 133   | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 0.515 | 0.522 | -1.4 | 148   | -0.01    |
| 57   | Fluorene                   | 1.582 | 1.562 | 1.3  | 148   | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.473 | 0.462 | 2.3  | 145   | -0.01    |
| 59   | Diethylphthalate           | 1.757 | 1.658 | 5.6  | 143   | -0.02    |
| 60   | 4-Chlorophenyl-phenylether | 0.955 | 0.952 | 0.3  | 148   | -0.02    |
| 61   | 4-Nitroaniline             | 0.401 | 0.396 | 1.2  | 147   | -0.01    |
| 62   | Azobenzene                 | 1.340 | 1.275 | 4.9  | 142   | -0.02    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 147   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.133 | 0.129 | 3.0  | 140   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.606 | 0.616 | -1.7 | 148   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 0.253 | 0.246 | 2.8  | 139   | -0.02    |
| 67   | Hexachlorobenzene          | 0.269 | 0.256 | 4.8  | 138   | -0.02    |
| 68   | Atrazine                   | 0.250 | 0.233 | 6.8  | 139   | -0.02    |
| 69 C | Pentachlorophenol          | 0.149 | 0.127 | 14.8 | 125   | -0.01    |
| 70   | Phenanthrene               | 1.041 | 1.040 | 0.1  | 146   | -0.02    |
| 71   | Anthracene                 | 1.043 | 1.047 | -0.4 | 147   | -0.02    |
| 72   | Carbazole                  | 0.978 | 0.970 | 0.8  | 145   | -0.02    |
| 73   | Di-n-butylphthalate        | 1.200 | 1.143 | 4.7  | 141   | -0.02    |
| 74 C | Fluoranthene               | 1.318 | 1.322 | -0.3 | 148   | -0.02    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 147   | -0.02    |
| 76   | Benzidine                  | 0.642 | 0.557 | 13.2 | 122   | -0.02    |
| 77   | Pyrene                     | 1.187 | 1.239 | -4.4 | 150#  | -0.02    |
| 78 S | Terphenyl-d14              | 0.906 | 0.853 | 5.8  | 136   | -0.02    |
| 79   | Butylbenzylphthalate       | 0.473 | 0.490 | -3.6 | 150   | -0.02    |
| 80   | Benzo(a)anthracene         | 1.242 | 1.243 | -0.1 | 146   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 0.501 | 0.485 | 3.2  | 140   | -0.02    |
| 82   | Chrysene                   | 1.149 | 1.167 | -1.6 | 148   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.683 | 0.691 | -1.2 | 150   | -0.03    |
| 84 c | Di-n-octyl phthalate       | 1.112 | 1.159 | -4.2 | 154#  | -0.04    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.397 | 1.374 | 1.6  | 143   | -0.05    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 148   | -0.03    |
| 87   | Benzo(b)fluoranthene       | 1.210 | 1.234 | -2.0 | 150#  | -0.03    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.199 | 1.197 | 0.2  | 147   | -0.03    |
| 89 C | Benzo(a)pyrene         | 1.149 | 1.167 | -1.6 | 150#  | -0.03    |
| 90   | Dibenzo(a,h)anthracene | 1.175 | 1.148 | 2.3  | 144   | -0.05    |
| 91   | Benzo(a,h,i)perylene   | 1.140 | 1.115 | 2.2  | 145   | -0.04    |

(#) = Out of Range

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