

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040418\  
 Data File : BG033571.D  
 Acq On : 4 Apr 2018 22:07  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 05 03:26:43 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 04 18:35:46 2018  
 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   | 123   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.542 | 0.529 | 2.4   | 121   | 0.00     |
| 3    | Pyridine                    | 1.497 | 1.620 | -8.2  | 120   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.614 | 0.672 | -9.4  | 133   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.067 | 1.089 | -2.1  | 116   | 0.00     |
| 6    | Aniline                     | 2.155 | 2.377 | -10.3 | 125   | 0.00     |
| 7 S  | Phenol-d6                   | 1.833 | 2.052 | -11.9 | 133   | 0.00     |
| 8    | 2-Chlorophenol              | 1.219 | 1.289 | -5.7  | 120   | 0.00     |
| 9    | Benzaldehyde                | 1.165 | 0.923 | 20.8  | 99    | 0.00     |
| 10 C | Phenol                      | 1.809 | 2.068 | -14.3 | 133   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.477 | 1.591 | -7.7  | 121   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.594 | 1.564 | 1.9   | 118   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.597 | 1.491 | 6.6   | 115   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.558 | 1.559 | -0.1  | 117   | 0.00     |
| 15   | Benzyl Alcohol              | 1.443 | 1.673 | -15.9 | 133   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.408 | 2.615 | -8.6  | 131   | 0.00     |
| 17   | 2-Methylphenol              | 1.233 | 1.344 | -9.0  | 131   | 0.00     |
| 18   | Hexachloroethane            | 0.616 | 0.645 | -4.7  | 127   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.343 | 1.496 | -11.4 | 125   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.755 | 1.989 | -13.3 | 129   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 125   | 0.00     |
| 22   | Acetophenone                | 0.548 | 0.559 | -2.0  | 118   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.435 | 0.446 | -2.5  | 124   | 0.00     |
| 24   | Nitrobenzene                | 0.466 | 0.480 | -3.0  | 124   | 0.00     |
| 25   | Isophorone                  | 0.845 | 0.879 | -4.0  | 125   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.176 | 0.190 | -8.0  | 124   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.256 | 0.278 | -8.6  | 138   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.422 | 0.414 | 1.9   | 118   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.315 | 0.337 | -7.0  | 127   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.409 | 0.401 | 2.0   | 120   | 0.00     |
| 31   | Naphthalene                 | 1.036 | 1.062 | -2.5  | 126   | 0.00     |
| 32   | Benzoic acid                | 0.238 | 0.211 | 11.3  | 124   | 0.00     |
| 33   | 4-Chloroaniline             | 0.464 | 0.488 | -5.2  | 125   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.310 | 0.291 | 6.1   | 119   | 0.00     |
| 35   | Caprolactam                 | 0.123 | 0.136 | -10.6 | 132   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.411 | 0.473 | -15.1 | 133   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.804 | 0.812 | -1.0  | 127   | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 129   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.724 | 0.691 | 4.6   | 122   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.425 | 0.357 | 16.0  | 105   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.299 | 0.284 | 5.0   | 118   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.421 | 0.429 | -1.9  | 124   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.498 | 0.538 | -8.0  | 127   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.385 | 1.353 | 2.3   | 124   | 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              | 1.537 | 1.555 | -1.2  | 128   | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.185 | 1.169 | 1.4   | 124   | 0.00     |
| 47   | 2-Nitroaniline             | 0.444 | 0.489 | -10.1 | 135   | 0.00     |
| 48   | Acenaphthylene             | 1.978 | 1.995 | -0.9  | 128   | 0.00     |
| 49   | Dimethylphthalate          | 1.741 | 1.739 | 0.1   | 127   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.356 | 0.381 | -7.0  | 130   | 0.00     |
| 51 C | Acenaphthene               | 1.275 | 1.286 | -0.9  | 126   | 0.00     |
| 52   | 3-Nitroaniline             | 0.373 | 0.385 | -3.2  | 129   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.149 | 0.121 | 18.8  | 95    | 0.00     |
| 54   | Dibenzofuran               | 1.883 | 1.857 | 1.4   | 126   | 0.00     |
| 55 P | 4-Nitrophenol              | 0.262 | 0.232 | 11.5  | 109   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.524 | 0.539 | -2.9  | 129   | 0.00     |
| 57   | Fluorene                   | 1.604 | 1.624 | -1.2  | 131   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.468 | 0.479 | -2.4  | 125   | 0.00     |
| 59   | Diethylphthalate           | 1.690 | 1.732 | -2.5  | 131   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.922 | 0.889 | 3.6   | 126   | 0.00     |
| 61   | 4-Nitroaniline             | 0.378 | 0.392 | -3.7  | 130   | 0.00     |
| 62   | Azobenzene                 | 1.637 | 1.664 | -1.6  | 129   | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 126   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.120 | 0.119 | 0.8   | 118   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.571 | 0.599 | -4.9  | 129   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.235 | 0.238 | -1.3  | 124   | 0.00     |
| 67   | Hexachlorobenzene          | 0.248 | 0.249 | -0.4  | 125   | 0.00     |
| 68   | Atrazine                   | 0.231 | 0.231 | 0.0   | 122   | 0.00     |
| 69 C | Pentachlorophenol          | 0.170 | 0.167 | 1.8   | 121   | 0.00     |
| 70   | Phenanthrene               | 1.042 | 1.058 | -1.5  | 126   | 0.00     |
| 71   | Anthracene                 | 1.055 | 1.085 | -2.8  | 127   | 0.00     |
| 72   | Carbazole                  | 0.935 | 0.956 | -2.2  | 125   | 0.00     |
| 73   | Di-n-butylphthalate        | 1.088 | 1.140 | -4.8  | 128   | 0.00     |
| 74 C | Fluoranthene               | 1.289 | 1.276 | 1.0   | 122   | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 124   | 0.00     |
| 76   | Benzidine                  | 0.542 | 0.385 | 29.0# | 80    | 0.00     |
| 77   | Pyrene                     | 1.334 | 1.320 | 1.0   | 121   | 0.00     |
| 78 S | Terphenyl-d14              | 0.935 | 0.913 | 2.4   | 121   | 0.00     |
| 79   | Butylbenzylphthalate       | 0.492 | 0.528 | -7.3  | 131   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.274 | 1.272 | 0.2   | 123   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.453 | 0.466 | -2.9  | 121   | 0.00     |
| 82   | Chrysene                   | 1.233 | 1.240 | -0.6  | 124   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.679 | 0.745 | -9.7  | 133   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.039 | 1.185 | -14.1 | 137   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.333 | 1.352 | -1.4  | 123   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 129   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.155 | 1.135 | 1.7   | 125   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.169 | 1.188 | -1.6 | 129   | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.110 | 1.125 | -1.4 | 129   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.045 | 1.009 | 3.4  | 119   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.035 | 1.002 | 3.2  | 122   | 0.00     |

(#) = Out of Range

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