

Data Path : Z:\HPCHEM1\BNA G\Data\BG092317\  
 Data File : BG028891.D  
 Acq On : 23 Sep 2017 10:21  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 25 01:37:20 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 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    | 79    | -0.05    |
| 2    | 1,4-Dioxane                 | 0.491 | 0.482 | 1.8    | 79    | -0.07    |
| 3    | Pyridine                    | 1.400 | 1.425 | -1.8   | 77    | -0.07    |
| 4    | n-Nitrosodimethylamine      | 0.637 | 0.635 | 0.3    | 76    | -0.07    |
| 5 S  | 2-Fluorophenol              | 1.212 | 1.243 | -2.6   | 77    | -0.06    |
| 6    | Aniline                     | 2.124 | 2.190 | -3.1   | 77    | -0.05    |
| 7 S  | Phenol-d6                   | 1.825 | 1.870 | -2.5   | 78    | -0.06    |
| 8    | 2-Chlorophenol              | 1.351 | 1.338 | 1.0    | 75    | -0.06    |
| 9    | Benzaldehyde                | 1.132 | 1.046 | 7.6    | 71    | -0.05    |
| 10 C | Phenol                      | 1.926 | 2.010 | -4.4   | 79    | -0.05    |
| 11   | bis(2-Chloroethyl)ether     | 1.383 | 1.391 | -0.6   | 79    | -0.05    |
| 12   | 1,3-Dichlorobenzene         | 1.455 | 1.541 | -5.9   | 82    | -0.05    |
| 13 C | 1,4-Dichlorobenzene         | 1.496 | 1.573 | -5.1   | 79    | -0.05    |
| 14   | 1,2-Dichlorobenzene         | 1.478 | 1.515 | -2.5   | 80    | -0.05    |
| 15   | Benzyl Alcohol              | 1.425 | 1.342 | 5.8    | 71    | -0.05    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.513 | 2.435 | 3.1    | 75    | -0.06    |
| 17   | 2-Methylphenol              | 1.259 | 1.325 | -5.2   | 81    | -0.06    |
| 18   | Hexachloroethane            | 0.548 | 0.552 | -0.7   | 76    | -0.05    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.294 | 1.299 | -0.4   | 76    | -0.06    |
| 20   | 3+4-Methylphenols           | 1.760 | 1.862 | -5.8   | 80    | -0.06    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 77    | -0.05    |
| 22   | Acetophenone                | 0.585 | 0.598 | -2.2   | 80    | -0.05    |
| 23 S | Nitrobenzene-d5             | 0.418 | 0.415 | 0.7    | 78    | -0.06    |
| 24   | Nitrobenzene                | 0.463 | 0.472 | -1.9   | 81    | -0.06    |
| 25   | Isophorone                  | 0.846 | 0.846 | 0.0    | 79    | -0.05    |
| 26 C | 2-Nitrophenol               | 0.197 | 0.195 | 1.0    | 77    | -0.06    |
| 27   | 2,4-Dimethylphenol          | 0.360 | 0.352 | 2.2    | 76    | -0.05    |
| 28   | bis(2-Chloroethoxy)methane  | 0.459 | 0.463 | -0.9   | 78    | -0.05    |
| 29 C | 2,4-Dichlorophenol          | 0.358 | 0.368 | -2.8   | 80    | -0.05    |
| 30   | 1,2,4-Trichlorobenzene      | 0.409 | 0.412 | -0.7   | 80    | -0.05    |
| 31   | Naphthalene                 | 1.045 | 1.054 | -0.9   | 79    | -0.06    |
| 32   | Benzoic acid                | 0.234 | 0.238 | -1.7   | 77    | -0.06    |
| 33   | 4-Chloroaniline             | 0.438 | 0.462 | -5.5   | 83    | -0.05    |
| 34 C | Hexachlorobutadiene         | 0.301 | 0.295 | 2.0    | 79    | -0.05    |
| 35   | Caprolactam                 | 0.129 | 0.159 | -23.3  | 96    | -0.06    |
| 36 C | 4-Chloro-3-methylphenol     | 0.466 | 0.502 | -7.7   | 86    | -0.05    |
| 37   | 2-Methylnaphthalene         | 0.780 | 0.823 | -5.5   | 83    | -0.05    |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 89    | -0.05    |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.822 | 0.790 | 3.9    | 83    | -0.05    |
| 40 P | Hexachlorocyclopentadiene   | 0.264 | 0.371 | -40.5# | 116   | -0.04    |
| 41 S | 2,4,6-Tribromophenol        | 0.331 | 0.394 | -19.0  | 106   | -0.05    |
| 42 C | 2,4,6-Trichlorophenol       | 0.522 | 0.516 | 1.1    | 87    | -0.05    |
| 43   | 2,4,5-Trichlorophenol       | 0.524 | 0.529 | -1.0   | 89    | -0.05    |
| 44 S | 2-Fluorobiphenyl            | 1.500 | 1.462 | 2.5    | 84    | -0.05    |

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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) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.656 | 1.628 | 1.7    | 85    | -0.05    |
| 46   | 2-Chloronaphthalene        | 1.208 | 1.172 | 3.0    | 84    | -0.05    |
| 47   | 2-Nitroaniline             | 0.449 | 0.483 | -7.6   | 92    | -0.05    |
| 48   | Acenaphthylene             | 1.930 | 1.998 | -3.5   | 91    | -0.05    |
| 49   | Dimethylphthalate          | 1.677 | 1.830 | -9.1   | 96    | -0.04    |
| 50   | 2,6-Dinitrotoluene         | 0.373 | 0.421 | -12.9  | 98    | -0.05    |
| 51 C | Acenaphthene               | 1.172 | 1.207 | -3.0   | 91    | -0.05    |
| 52   | 3-Nitroaniline             | 0.330 | 0.406 | -23.0  | 107   | -0.05    |
| 53 P | 2,4-Dinitrophenol          | 0.159 | 0.165 | -3.8   | 86    | -0.05    |
| 54   | Dibenzofuran               | 1.869 | 1.957 | -4.7   | 92    | -0.05    |
| 55 P | 4-Nitrophenol              | 0.242 | 0.270 | -11.6  | 92    | -0.05    |
| 56   | 2,4-Dinitrotoluene         | 0.525 | 0.613 | -16.8  | 99    | -0.05    |
| 57   | Fluorene                   | 1.669 | 1.843 | -10.4  | 96    | -0.05    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.462 | 0.537 | -16.2  | 102   | -0.05    |
| 59   | Diethylphthalate           | 1.723 | 1.945 | -12.9  | 102   | -0.05    |
| 60   | 4-Chlorophenyl-phenylether | 0.950 | 1.036 | -9.1   | 98    | -0.05    |
| 61   | 4-Nitroaniline             | 0.350 | 0.439 | -25.4# | 105   | -0.05    |
| 62   | Azobenzene                 | 1.450 | 1.583 | -9.2   | 97    | -0.05    |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 105   | -0.05    |
| 64   | 4,6-Dinitro-2-methylphenol | 0.129 | 0.127 | 1.6    | 100   | -0.05    |
| 65 c | n-Nitrosodiphenylamine     | 0.573 | 0.559 | 2.4    | 103   | -0.05    |
| 66   | 4-Bromophenyl-phenylether  | 0.257 | 0.254 | 1.2    | 104   | -0.05    |
| 67   | Hexachlorobenzene          | 0.293 | 0.284 | 3.1    | 103   | -0.05    |
| 68   | Atrazine                   | 0.246 | 0.244 | 0.8    | 102   | -0.05    |
| 69 C | Pentachlorophenol          | 0.132 | 0.131 | 0.8    | 101   | -0.05    |
| 70   | Phenanthrene               | 1.023 | 1.033 | -1.0   | 107   | -0.05    |
| 71   | Anthracene                 | 1.033 | 1.040 | -0.7   | 105   | -0.05    |
| 72   | Carbazole                  | 0.930 | 0.980 | -5.4   | 107   | -0.05    |
| 73   | Di-n-butylphthalate        | 1.141 | 1.175 | -3.0   | 107   | -0.05    |
| 74 C | Fluoranthene               | 1.249 | 1.321 | -5.8   | 108   | -0.05    |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 103   | -0.07    |
| 76   | Benzidine                  | 0.519 | 0.639 | -23.1  | 121   | -0.05    |
| 77   | Pyrene                     | 1.154 | 1.193 | -3.4   | 109   | -0.05    |
| 78 S | Terphenyl-d14              | 0.938 | 0.971 | -3.5   | 107   | -0.05    |
| 79   | Butylbenzylphthalate       | 0.466 | 0.473 | -1.5   | 106   | -0.05    |
| 80   | Benzo(a)anthracene         | 1.204 | 1.225 | -1.7   | 105   | -0.06    |
| 81   | 3,3'-Dichlorobenzidine     | 0.488 | 0.497 | -1.8   | 103   | -0.06    |
| 82   | Chrysene                   | 1.142 | 1.186 | -3.9   | 107   | -0.06    |
| 83   | Bis(2-ethylhexyl)phthalate | 0.662 | 0.673 | -1.7   | 104   | -0.06    |
| 84 c | Di-n-octyl phthalate       | 1.157 | 1.185 | -2.4   | 104   | -0.08    |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.468 | 1.525 | -3.9   | 108   | -0.18    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 105   | -0.12    |
| 87   | Benzo(b)fluoranthene       | 1.198 | 1.219 | -1.8   | 107   | -0.10    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.197 | 1.197 | 0.0  | 105   | -0.09    |
| 89 C | Benzo(a)pyrene         | 1.137 | 1.159 | -1.9 | 107   | -0.11    |
| 90   | Dibenzo(a,h)anthracene | 1.186 | 1.213 | -2.3 | 107   | -0.19    |
| 91   | Benzo(a,h,i)perylene   | 1.157 | 1.186 | -2.5 | 108   | -0.19    |

(#) = Out of Range

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