

Data Path : Z:\HPCHEM1\BNA G\Data\BG062317\  
 Data File : BG027634.D  
 Acq On : 23 Jun 2017 17:12  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 24 01:46:26 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 21 18:52:15 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    | 81    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.546 | 0.519 | 4.9    | 77    | 0.00     |
| 3    | Pyridine                    | 1.766 | 1.508 | 14.6   | 65    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.806 | 0.807 | -0.1   | 76    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.405 | 1.390 | 1.1    | 76    | 0.00     |
| 6    | Aniline                     | 2.539 | 2.389 | 5.9    | 72    | 0.00     |
| 7 S  | Phenol-d6                   | 2.080 | 2.047 | 1.6    | 75    | 0.00     |
| 8    | 2-Chlorophenol              | 1.487 | 1.491 | -0.3   | 78    | 0.00     |
| 9    | Benzaldehyde                | 1.414 | 1.325 | 6.3    | 71    | 0.00     |
| 10 C | Phenol                      | 2.119 | 2.060 | 2.8    | 75    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.659 | 1.547 | 6.8    | 70    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.570 | 1.587 | -1.1   | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.585 | 1.638 | -3.3   | 81    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.557 | 1.606 | -3.1   | 82    | 0.00     |
| 15   | Benzyl Alcohol              | 1.661 | 1.643 | 1.1    | 75    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.752 | 2.195 | 20.2   | 62    | 0.00     |
| 17   | 2-Methylphenol              | 1.491 | 1.409 | 5.5    | 74    | 0.00     |
| 18   | Hexachloroethane            | 0.621 | 0.636 | -2.4   | 80    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.652 | 1.523 | 7.8    | 69    | 0.00     |
| 20   | 3+4-Methylphenols           | 2.042 | 2.005 | 1.8    | 75    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 73    | 0.00     |
| 22   | Acetophenone                | 0.548 | 0.561 | -2.4   | 74    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.423 | 0.433 | -2.4   | 74    | 0.00     |
| 24   | Nitrobenzene                | 0.463 | 0.473 | -2.2   | 74    | 0.00     |
| 25   | Isophorone                  | 0.868 | 0.852 | 1.8    | 70    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.171 | 0.184 | -7.6   | 79    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.324 | 0.326 | -0.6   | 73    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.489 | 0.473 | 3.3    | 70    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.280 | 0.315 | -12.5  | 81    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.320 | 0.353 | -10.3  | 84    | 0.00     |
| 31   | Naphthalene                 | 1.081 | 1.115 | -3.1   | 76    | 0.00     |
| 32   | Benzoic acid                | 0.204 | 0.239 | -17.2  | 83    | 0.00     |
| 33   | 4-Chloroaniline             | 0.458 | 0.487 | -6.3   | 76    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.193 | 0.233 | -20.7# | 90    | 0.00     |
| 35   | Caprolactam                 | 0.130 | 0.139 | -6.9   | 76    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.429 | 0.474 | -10.5  | 79    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.786 | 0.849 | -8.0   | 78    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 76    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.627 | 0.718 | -14.5  | 88    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.336 | 0.378 | -12.5  | 86    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.298 | 0.381 | -27.9# | 95    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.405 | 0.457 | -12.8  | 83    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.476 | 0.539 | -13.2  | 85    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.464 | 1.567 | -7.0   | 81    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.668 | 1.737 | -4.1  | 79    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.240 | 1.318 | -6.3  | 81    | 0.00     |
| 47   | 2-Nitroaniline             | 0.557 | 0.584 | -4.8  | 76    | 0.00     |
| 48   | Acenaphthylene             | 2.173 | 2.307 | -6.2  | 79    | 0.00     |
| 49   | Dimethylphthalate          | 1.751 | 1.862 | -6.3  | 80    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.380 | 0.436 | -14.7 | 85    | 0.00     |
| 51 C | Acenaphthene               | 1.514 | 1.611 | -6.4  | 81    | 0.00     |
| 52   | 3-Nitroaniline             | 0.401 | 0.439 | -9.5  | 80    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.215 | 0.243 | -13.0 | 85    | 0.00     |
| 54   | Dibenzofuran               | 1.972 | 2.100 | -6.5  | 81    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.336 | 0.351 | -4.5  | 78    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.539 | 0.641 | -18.9 | 85    | 0.00     |
| 57   | Fluorene                   | 1.868 | 2.051 | -9.8  | 83    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.419 | 0.502 | -19.8 | 89    | 0.00     |
| 59   | Diethylphthalate           | 1.911 | 2.121 | -11.0 | 83    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.919 | 1.033 | -12.4 | 85    | 0.00     |
| 61   | 4-Nitroaniline             | 0.440 | 0.493 | -12.0 | 81    | 0.00     |
| 62   | Azobenzene                 | 1.959 | 1.970 | -0.6  | 75    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 80    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.127 | 0.139 | -9.4  | 86    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.613 | 0.653 | -6.5  | 83    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.220 | 0.249 | -13.2 | 88    | 0.00     |
| 67   | Hexachlorobenzene          | 0.235 | 0.270 | -14.9 | 91    | 0.00     |
| 68   | Atrazine                   | 0.225 | 0.248 | -10.2 | 85    | 0.00     |
| 69 C | Pentachlorophenol          | 0.146 | 0.166 | -13.7 | 90    | 0.00     |
| 70   | Phenanthrene               | 1.138 | 1.223 | -7.5  | 85    | 0.00     |
| 71   | Anthracene                 | 1.146 | 1.232 | -7.5  | 84    | 0.00     |
| 72   | Carbazole                  | 1.116 | 1.190 | -6.6  | 84    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.250 | 1.350 | -8.0  | 84    | 0.00     |
| 74 C | Fluoranthene               | 1.326 | 1.457 | -9.9  | 88    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 76   | Benzidine                  | 0.491 | 0.474 | 3.5   | 78    | 0.00     |
| 77   | Pyrene                     | 1.216 | 1.271 | -4.5  | 88    | 0.00     |
| 78 S | Terphenyl-d14              | 0.849 | 0.936 | -10.2 | 92    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.507 | 0.512 | -1.0  | 84    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.200 | 1.270 | -5.8  | 89    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.434 | 0.467 | -7.6  | 88    | 0.00     |
| 82   | Chrysene                   | 1.137 | 1.197 | -5.3  | 89    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.744 | 0.736 | 1.1   | 81    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.237 | 1.234 | 0.2   | 81    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.296 | 1.433 | -10.6 | 92    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.279 | 1.347 | -5.3  | 93    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.251 | 1.326 | -6.0 | 93    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.207 | 1.263 | -4.6 | 90    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.229 | 1.311 | -6.7 | 93    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.194 | 1.254 | -5.0 | 91    | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1