

Data Path : Z:\HPCHEM1\BNA F\Data\BF080117\  
 Data File : BF097249.D  
 Acq On : 2 Aug 2017 2:48  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 02 06:06:18 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 14:11:51 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   | 93    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.554 | 0.588 | -6.1  | 108   | 0.00     |
| 3    | Pyridine                    | 1.695 | 1.523 | 10.1  | 76    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.939 | 0.888 | 5.4   | 86    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.327 | 1.342 | -1.1  | 97    | 0.00     |
| 6    | Aniline                     | 1.906 | 1.921 | -0.8  | 93    | 0.00     |
| 7 S  | Phenol-d6                   | 1.515 | 1.452 | 4.2   | 89    | 0.00     |
| 8    | 2-Chlorophenol              | 1.419 | 1.299 | 8.5   | 86    | 0.00     |
| 9    | Benzaldehyde                | 0.897 | 0.898 | -0.1  | 96    | 0.00     |
| 10 C | Phenol                      | 1.797 | 1.750 | 2.6   | 89    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.421 | 1.258 | 11.5  | 81    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.529 | 1.484 | 2.9   | 91    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.515 | 1.487 | 1.8   | 97    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.323 | 1.247 | 5.7   | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 0.959 | 0.957 | 0.2   | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.850 | 2.700 | 5.3   | 95    | 0.00     |
| 17   | 2-Methylphenol              | 1.095 | 1.066 | 2.6   | 96    | 0.00     |
| 18   | Hexachloroethane            | 0.554 | 0.499 | 9.9   | 87    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.997 | 0.989 | 0.8   | 99    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.430 | 1.477 | -3.3  | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 22   | Acetophenone                | 0.480 | 0.459 | 4.4   | 94    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.341 | 0.353 | -3.5  | 103   | 0.00     |
| 24   | Nitrobenzene                | 0.355 | 0.363 | -2.3  | 98    | 0.00     |
| 25   | Isophorone                  | 0.668 | 0.626 | 6.3   | 94    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.192 | 0.179 | 6.8   | 89    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.317 | 0.289 | 8.8   | 84    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.436 | 0.441 | -1.1  | 97    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.273 | 0.253 | 7.3   | 86    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.260 | 0.243 | 6.5   | 92    | 0.00     |
| 31   | Naphthalene                 | 0.943 | 0.890 | 5.6   | 95    | 0.00     |
| 32   | Benzoic acid                | 0.237 | 0.194 | 18.1  | 74    | 0.00     |
| 33   | 4-Chloroaniline             | 0.384 | 0.376 | 2.1   | 92    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.138 | 0.129 | 6.5   | 91    | 0.00     |
| 35   | Caprolactam                 | 0.088 | 0.093 | -5.7  | 97    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.298 | 0.304 | -2.0  | 96    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.597 | 0.586 | 1.8   | 94    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.534 | 0.552 | -3.4  | 88    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.156 | 0.053 | 66.0# | 27#   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.158 | 0.133 | 15.8  | 76    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.387 | 0.382 | 1.3   | 83    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.387 | 0.374 | 3.4   | 81    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.178 | 1.162 | 1.4   | 85    | 0.00     |

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|      | Compound                   | AvgRF | CCRF   | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.708 | 1.689  | 1.1   | 85    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.257 | 1.239  | 1.4   | 85    | 0.00     |
| 47   | 2-Nitroaniline             | 0.456 | 0.480  | -5.3  | 84    | 0.00     |
| 48   | Acenaphthylene             | 1.930 | 1.809  | 6.3   | 87    | 0.00     |
| 49   | Dimethylphthalate          | 1.519 | 1.548  | -1.9  | 94    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.322 | 0.320  | 0.6   | 89    | 0.00     |
| 51 C | Acenaphthene               | 1.137 | 1.100  | 3.3   | 88    | 0.00     |
| 52   | 3-Nitroaniline             | 0.400 | 0.396  | 1.0   | 91    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.146 | 0.038# | 74.0# | 22#   | 0.00     |
| 54   | Dibenzofuran               | 1.514 | 1.453  | 4.0   | 87    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.238 | 0.181  | 23.9  | 63    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.370 | 0.352  | 4.9   | 86    | 0.00     |
| 57   | Fluorene                   | 1.138 | 1.081  | 5.0   | 85    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.267 | 0.233  | 12.7  | 78    | 0.00     |
| 59   | Diethylphthalate           | 1.393 | 1.415  | -1.6  | 93    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.470 | 0.472  | -0.4  | 90    | 0.00     |
| 61   | 4-Nitroaniline             | 0.380 | 0.340  | 10.5  | 78    | 0.00     |
| 62   | Azobenzene                 | 1.293 | 1.294  | -0.1  | 83    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0   | 75    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.124 | 0.059  | 52.4# | 35#   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.696 | 0.716  | -2.9  | 86    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.200 | 0.205  | -2.5  | 84    | 0.00     |
| 67   | Hexachlorobenzene          | 0.224 | 0.214  | 4.5   | 79    | 0.00     |
| 68   | Atrazine                   | 0.200 | 0.196  | 2.0   | 83    | 0.00     |
| 69 C | Pentachlorophenol          | 0.093 | 0.076  | 18.3  | 61    | 0.00     |
| 70   | Phenanthrene               | 1.072 | 1.012  | 5.6   | 76    | 0.00     |
| 71   | Anthracene                 | 1.098 | 1.019  | 7.2   | 75    | 0.00     |
| 72   | Carbazole                  | 1.079 | 1.010  | 6.4   | 78    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.334 | 1.362  | -2.1  | 83    | 0.00     |
| 74 C | Fluoranthene               | 1.050 | 0.948  | 9.7   | 77    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000  | 0.0   | 81    | 0.00     |
| 76   | Benzidine                  | 0.742 | 0.681  | 8.2   | 69    | 0.00     |
| 77   | Pyrene                     | 1.637 | 1.472  | 10.1  | 78    | 0.00     |
| 78 S | Terphenyl-d14              | 0.981 | 0.861  | 12.2  | 76    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.833 | 0.777  | 6.7   | 77    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.294 | 1.230  | 4.9   | 81    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.488 | 0.486  | 0.4   | 84    | 0.00     |
| 82   | Chrysene                   | 1.264 | 1.203  | 4.8   | 81    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 1.087 | 0.979  | 9.9   | 76    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.996 | 1.853  | 7.2   | 77    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.084 | 0.883  | 18.5  | 73    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0   | 81    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.202 | 1.166  | 3.0   | 82    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.146 | 1.164 | -1.6 | 87    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.100 | 1.072 | 2.5  | 84    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 0.902 | 0.760 | 15.7 | 75    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 0.946 | 0.763 | 19.3 | 71    | 0.00     |

(#) = Out of Range

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