

Data Path : Z:\HPCHEM1\BNA F\Data\BF021418\  
 Data File : BF102977.D  
 Acq On : 14 Feb 2018 9:39  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 14 12:37:05 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 00:38:27 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    | 84    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.650 | 0.651 | -0.2   | 82    | -0.01    |
| 3    | Pyridine                    | 1.797 | 1.787 | 0.6    | 80    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.769 | 0.739 | 3.9    | 78    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.317 | 1.287 | 2.3    | 82    | 0.00     |
| 6    | Aniline                     | 2.342 | 2.267 | 3.2    | 81    | 0.00     |
| 7 S  | Phenol-d6                   | 1.586 | 1.553 | 2.1    | 82    | 0.01     |
| 8    | 2-Chlorophenol              | 1.356 | 1.353 | 0.2    | 83    | 0.00     |
| 9    | Benzaldehyde                | 1.178 | 1.001 | 15.0   | 71    | 0.00     |
| 10 C | Phenol                      | 1.699 | 1.834 | -7.9   | 92    | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.414 | 1.363 | 3.6    | 81    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.570 | 1.510 | 3.8    | 81    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.564 | 1.498 | 4.2    | 81    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.457 | 1.388 | 4.7    | 80    | 0.00     |
| 15   | Benzyl Alcohol              | 1.219 | 1.226 | -0.6   | 82    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.686 | 2.434 | 9.4    | 75    | 0.00     |
| 17   | 2-Methylphenol              | 1.251 | 1.214 | 3.0    | 81    | 0.00     |
| 18   | Hexachloroethane            | 0.536 | 0.553 | -3.2   | 84    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.045 | 0.955 | 8.6    | 78    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.542 | 1.447 | 6.2    | 77    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 84    | 0.00     |
| 22   | Acetophenone                | 0.489 | 0.441 | 9.8    | 78    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.288 | 0.327 | -13.5  | 92    | 0.00     |
| 24   | Nitrobenzene                | 0.319 | 0.360 | -12.9  | 87    | 0.00     |
| 25   | Isophorone                  | 0.664 | 0.625 | 5.9    | 81    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.121 | 0.182 | -50.4# | 125   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.280 | 0.260 | 7.1    | 78    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.393 | 0.378 | 3.8    | 82    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.255 | 0.257 | -0.8   | 83    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.288 | 0.273 | 5.2    | 81    | 0.00     |
| 31   | Naphthalene                 | 0.977 | 0.917 | 6.1    | 80    | 0.00     |
| 32   | Benzoic acid                | 0.173 | 0.234 | -35.3# | 114   | 0.02     |
| 33   | 4-Chloroaniline             | 0.421 | 0.403 | 4.3    | 81    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.148 | 0.139 | 6.1    | 80    | 0.00     |
| 35   | Caprolactam                 | 0.089 | 0.093 | -4.5   | 86    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.286 | 0.289 | -1.0   | 84    | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.640 | 0.599 | 6.4    | 80    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 85    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.545 | 0.524 | 3.9    | 83    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.259 | 0.223 | 13.9   | 68    | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.161 | 0.177 | -9.9   | 88    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.358 | 0.370 | -3.4   | 84    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.403 | 0.417 | -3.5   | 83    | 0.01     |
| 44 S | 2-Fluorobiphenyl            | 1.205 | 1.132 | 6.1    | 79    | 0.00     |

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|------|----------------------------|-------|-------|---------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.685 | 1.565 | 7.1     | 81    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.326 | 1.247 | 6.0     | 81    | 0.00     |
| 47   | 2-Nitroaniline             | 0.338 | 0.477 | -41.1#  | 102   | 0.00     |
| 48   | Acenaphthylene             | 2.060 | 1.944 | 5.6     | 82    | 0.00     |
| 49   | Dimethylphthalate          | 1.559 | 1.524 | 2.2     | 85    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.297 | 0.336 | -13.1   | 92    | 0.00     |
| 51 C | Acenaphthene               | 1.232 | 1.131 | 8.2     | 80    | 0.00     |
| 52   | 3-Nitroaniline             | 0.365 | 0.417 | -14.2   | 93    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.063 | 0.128 | -103.2# | 194#  | 0.02     |
| 54   | Dibenzofuran               | 1.736 | 1.632 | 6.0     | 82    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.269 | 0.298 | -10.8   | 91    | 0.02     |
| 56   | 2,4-Dinitrotoluene         | 0.327 | 0.449 | -37.3#  | 98    | 0.00     |
| 57   | Fluorene                   | 1.263 | 1.260 | 0.2     | 84    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.279 | 0.290 | -3.9    | 84    | 0.00     |
| 59   | Diethylphthalate           | 1.540 | 1.489 | 3.3     | 83    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.559 | 0.555 | 0.7     | 85    | 0.00     |
| 61   | 4-Nitroaniline             | 0.347 | 0.424 | -22.2   | 101   | 0.00     |
| 62   | Azobenzene                 | 1.538 | 1.496 | 2.7     | 84    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0     | 89    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.072 | 0.124 | -72.2#  | 153#  | 0.01     |
| 65 c | n-Nitrosodiphenylamine     | 0.705 | 0.657 | 6.8     | 83    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.212 | 0.198 | 6.6     | 84    | 0.00     |
| 67   | Hexachlorobenzene          | 0.233 | 0.220 | 5.6     | 85    | 0.00     |
| 68   | Atrazine                   | 0.208 | 0.202 | 2.9     | 85    | 0.00     |
| 69 C | Pentachlorophenol          | 0.137 | 0.128 | 6.6     | 79    | 0.01     |
| 70   | Phenanthrene               | 1.114 | 1.033 | 7.3     | 84    | 0.00     |
| 71   | Anthracene                 | 1.133 | 1.045 | 7.8     | 84    | 0.00     |
| 72   | Carbazole                  | 1.110 | 1.054 | 5.0     | 86    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.348 | 1.356 | -0.6    | 89    | 0.00     |
| 74 C | Fluoranthene               | 1.121 | 1.066 | 4.9     | 86    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0     | 98    | 0.01     |
| 76   | Benzidine                  | 0.919 | 0.755 | 17.8    | 75    | 0.00     |
| 77   | Pyrene                     | 1.568 | 1.420 | 9.4     | 89    | 0.00     |
| 78 S | Terphenyl-d14              | 0.845 | 0.734 | 13.1    | 87    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.687 | 0.770 | -12.1   | 100   | 0.00     |
| 80   | Benzo(a)anthracene         | 1.258 | 1.228 | 2.4     | 97    | 0.01     |
| 81   | 3,3'-Dichlorobenzidine     | 0.466 | 0.464 | 0.4     | 93    | 0.00     |
| 82   | Chrysene                   | 1.268 | 1.176 | 7.3     | 93    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.961 | 1.058 | -10.1   | 106   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.443 | 1.677 | -16.2   | 110   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.052 | 1.049 | 0.3     | 106   | 0.04     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0     | 110   | 0.02     |
| 87   | Benzo(b)fluoranthene       | 1.297 | 1.211 | 6.6     | 101   | 0.01     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.239 | 1.174 | 5.2  | 103   | 0.01     |
| 89 C | Benzo(a)pyrene         | 1.167 | 1.126 | 3.5  | 105   | 0.02     |
| 90   | Dibenzo(a,h)anthracene | 0.947 | 0.896 | 5.4  | 105   | 0.04     |
| 91   | Benzo(a,h,i)perylene   | 0.927 | 0.892 | 3.8  | 108   | 0.05     |

(#) = Out of Range

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