

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\  
 Data File : BF103825.D  
 Acq On : 21 Mar 2018 2:20  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 21 13:09:41 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 15 18:31:53 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    | 100   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.647 | 0.631 | 2.5    | 96    | -0.02    |
| 3    | Pyridine                    | 1.781 | 1.728 | 3.0    | 97    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.657 | 0.569 | 13.4   | 87    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.315 | 1.328 | -1.0   | 100   | 0.00     |
| 6    | Aniline                     | 2.297 | 2.228 | 3.0    | 96    | 0.00     |
| 7 S  | Phenol-d6                   | 1.609 | 1.593 | 1.0    | 99    | 0.00     |
| 8    | 2-Chlorophenol              | 1.377 | 1.425 | -3.5   | 102   | 0.00     |
| 9    | Benzaldehyde                | 1.057 | 1.005 | 4.9    | 96    | 0.00     |
| 10 C | Phenol                      | 1.709 | 1.673 | 2.1    | 99    | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.411 | 1.386 | 1.8    | 99    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.569 | 1.560 | 0.6    | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.576 | 1.556 | 1.3    | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.463 | 1.391 | 4.9    | 96    | 0.00     |
| 15   | Benzyl Alcohol              | 1.246 | 1.136 | 8.8    | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.007 | 1.699 | 15.3   | 85    | 0.00     |
| 17   | 2-Methylphenol              | 1.227 | 1.165 | 5.1    | 95    | 0.01     |
| 18   | Hexachloroethane            | 0.555 | 0.488 | 12.1   | 87    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.031 | 0.895 | 13.2   | 88    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.557 | 1.445 | 7.2    | 92    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 94    | 0.00     |
| 22   | Acetophenone                | 0.514 | 0.473 | 8.0    | 88    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.287 | 0.333 | -16.0  | 104   | 0.00     |
| 24   | Nitrobenzene                | 0.337 | 0.356 | -5.6   | 95    | 0.00     |
| 25   | Isophorone                  | 0.664 | 0.606 | 8.7    | 88    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.110 | 0.179 | -62.7# | 150   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.284 | 0.280 | 1.4    | 93    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.402 | 0.382 | 5.0    | 90    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.259 | 0.269 | -3.9   | 95    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.300 | 0.298 | 0.7    | 95    | 0.00     |
| 31   | Naphthalene                 | 1.010 | 0.963 | 4.7    | 92    | 0.00     |
| 32   | Benzoic acid                | 0.171 | 0.182 | -6.4   | 99    | 0.00     |
| 33   | 4-Chloroaniline             | 0.424 | 0.422 | 0.5    | 93    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.165 | 0.165 | 0.0    | 95    | 0.00     |
| 35   | Caprolactam                 | 0.089 | 0.093 | -4.5   | 98    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 0.285 | 0.298 | -4.6   | 97    | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.641 | 0.649 | -1.2   | 96    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.571 | 0.612 | -7.2   | 100   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.294 | 0.059 | 79.9#  | 18#   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.172 | 0.197 | -14.5  | 99    | 0.01     |
| 42 C | 2,4,6-Trichlorophenol       | 0.365 | 0.425 | -16.4  | 103   | 0.01     |
| 43   | 2,4,5-Trichlorophenol       | 0.412 | 0.471 | -14.3  | 101   | 0.02     |
| 44 S | 2-Fluorobiphenyl            | 1.254 | 1.238 | 1.3    | 95    | 0.00     |

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|------|----------------------------|-------|--------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.668 | 1.688  | -1.2   | 95    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.325 | 1.352  | -2.0   | 95    | 0.00     |
| 47   | 2-Nitroaniline             | 0.309 | 0.432  | -39.8# | 122   | 0.01     |
| 48   | Acenaphthylene             | 2.054 | 2.051  | 0.1    | 94    | 0.00     |
| 49   | Dimethylphthalate          | 1.526 | 1.600  | -4.8   | 98    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.274 | 0.351  | -28.1# | 112   | 0.01     |
| 51 C | Acenaphthene               | 1.220 | 1.195  | 2.0    | 91    | 0.00     |
| 52   | 3-Nitroaniline             | 0.331 | 0.423  | -27.8# | 112   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.057 | 0.031# | 45.6#  | 56    | 0.01     |
| 54   | Dibenzofuran               | 1.742 | 1.752  | -0.6   | 95    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.245 | 0.285  | -16.3  | 101   | 0.02     |
| 56   | 2,4-Dinitrotoluene         | 0.336 | 0.456  | -35.7# | 117   | 0.01     |
| 57   | Fluorene                   | 1.352 | 1.334  | 1.3    | 93    | 0.01     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.292 | 0.325  | -11.3  | 96    | 0.01     |
| 59   | Diethylphthalate           | 1.514 | 1.564  | -3.3   | 96    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.618 | 0.637  | -3.1   | 98    | 0.00     |
| 61   | 4-Nitroaniline             | 0.319 | 0.397  | -24.5  | 108   | 0.01     |
| 62   | Azobenzene                 | 1.540 | 1.436  | 6.8    | 87    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0    | 84    | 0.01     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.065 | 0.049  | 24.6   | 63    | 0.01     |
| 65 c | n-Nitrosodiphenylamine     | 0.681 | 0.767  | -12.6  | 94    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.205 | 0.237  | -15.6  | 95    | 0.00     |
| 67   | Hexachlorobenzene          | 0.234 | 0.250  | -6.8   | 89    | 0.01     |
| 68   | Atrazine                   | 0.211 | 0.237  | -12.3  | 93    | 0.00     |
| 69 C | Pentachlorophenol          | 0.135 | 0.133  | 1.5    | 77    | 0.01     |
| 70   | Phenanthrene               | 1.094 | 1.086  | 0.7    | 84    | 0.00     |
| 71   | Anthracene                 | 1.111 | 1.093  | 1.6    | 83    | 0.00     |
| 72   | Carbazole                  | 1.080 | 1.038  | 3.9    | 80    | 0.01     |
| 73   | Di-n-butylphthalate        | 1.296 | 1.401  | -8.1   | 89    | 0.00     |
| 74 C | Fluoranthene               | 1.127 | 0.982  | 12.9   | 73    | 0.01     |
| 75 I | Chrysene-d12               | 1.000 | 1.000  | 0.0    | 70    | 0.01     |
| 76   | Benzidine                  | 0.853 | 0.873  | -2.3   | 70    | 0.00     |
| 77   | Pyrene                     | 1.469 | 1.473  | -0.3   | 71    | 0.00     |
| 78 S | Terphenyl-d14              | 0.862 | 0.897  | -4.1   | 75    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.651 | 0.743  | -14.1  | 77    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.266 | 1.266  | 0.0    | 70    | 0.01     |
| 81   | 3,3'-Dichlorobenzidine     | 0.423 | 0.468  | -10.6  | 73    | 0.00     |
| 82   | Chrysene                   | 1.207 | 1.251  | -3.6   | 73    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.930 | 1.047  | -12.6  | 75    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.352 | 1.635  | -20.9# | 77    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.054 | 0.925  | 12.2   | 60    | 0.04     |
| 86 I | Perylene-d12               | 1.000 | 1.000  | 0.0    | 69    | 0.02     |
| 87   | Benzo(b)fluoranthene       | 1.264 | 1.325  | -4.8   | 73    | 0.01     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.215 | 1.219 | -0.3 | 69    | 0.02     |
| 89 C | Benzo(a)pyrene         | 1.146 | 1.160 | -1.2 | 70    | 0.02     |
| 90   | Dibenzo(a,h)anthracene | 0.992 | 0.866 | 12.7 | 61    | 0.03     |
| 91   | Benzo(a,h,i)perylene   | 0.965 | 0.812 | 15.9 | 59    | 0.04     |

(#) = Out of Range

SPCC's out = 1 CCC's out = 2