

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF111618\  
 Data File : BF110836.D  
 Acq On : 17 Nov 2018 1:00  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 17 03:39:46 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 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                 | 0.613 | 0.575  | 6.2   | 78    | -0.07    |
| 3    | Pyridine                    | 1.324 | 1.305  | 1.4   | 77    | -0.05    |
| 4    | n-Nitrosodimethylamine      | 0.568 | 0.580  | -2.1  | 81    | -0.05    |
| 5 S  | 2-Fluorophenol              | 1.231 | 1.231  | 0.0   | 81    | -0.01    |
| 6    | Aniline                     | 2.053 | 2.013  | 1.9   | 83    | -0.01    |
| 7 S  | Phenol-d6                   | 1.575 | 1.607  | -2.0  | 85    | 0.00     |
| 8    | 2-Chlorophenol              | 1.443 | 1.467  | -1.7  | 84    | 0.00     |
| 9    | Benzaldehyde                | 0.893 | 0.918  | -2.8  | 89    | 0.00     |
| 10 C | Phenol                      | 1.826 | 1.844  | -1.0  | 83    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.368 | 1.345  | 1.7   | 82    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.579 | 1.578  | 0.1   | 83    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.604 | 1.616  | -0.7  | 85    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.492 | 1.522  | -2.0  | 86    | -0.01    |
| 15   | Benzyl Alcohol              | 1.232 | 1.279  | -3.8  | 85    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.149 | 2.131  | 0.8   | 82    | 0.00     |
| 17   | 2-Methylphenol              | 1.149 | 1.159  | -0.9  | 84    | 0.00     |
| 18   | Hexachloroethane            | 0.592 | 0.557  | 5.9   | 78    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.005 | 1.027  | -2.2  | 86    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.475 | 1.520  | -3.1  | 86    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000  | 0.0   | 85    | 0.00     |
| 22   | Acetophenone                | 0.466 | 0.472  | -1.3  | 86    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.347 | 0.350  | -0.9  | 85    | 0.00     |
| 24   | Nitrobenzene                | 0.356 | 0.363  | -2.0  | 86    | 0.00     |
| 25   | Isophorone                  | 0.569 | 0.564  | 0.9   | 85    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.178 | 0.181  | -1.7  | 84    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.270 | 0.258  | 4.4   | 81    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.385 | 0.381  | 1.0   | 84    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.278 | 0.281  | -1.1  | 84    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.314 | 0.313  | 0.3   | 84    | 0.00     |
| 31   | Naphthalene                 | 0.939 | 0.929  | 1.1   | 85    | 0.00     |
| 32   | Benzoic acid                | 0.191 | 0.131  | 31.4# | 54    | -0.02    |
| 33   | 4-Chloroaniline             | 0.425 | 0.414  | 2.6   | 86    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.179 | 0.175  | 2.2   | 83    | 0.00     |
| 35   | Caprolactam                 | 0.093 | 0.091  | 2.2   | 83    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.300 | 0.303  | -1.0  | 85    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.615 | 0.610  | 0.8   | 85    | -0.01    |
| 38   | 1-Methylnaphthalene         | 0.592 | 0.582  | 1.7   | 84    | -0.01    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000  | 0.0   | 82    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.633 | 0.657  | -3.8  | 85    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.203 | 0.008# | 96.1# | 3#    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.202 | 0.178  | 11.9  | 72    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.398 | 0.400  | -0.5  | 80    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.424 | 0.412  | 2.8   | 78    | 0.00     |

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|      | Compound                   | AvqRF | CCRF   | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|--------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.400 | 1.420  | -1.4   | 84    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.866 | 1.901  | -1.9   | 84    | -0.01    |
| 47   | 2-Chloronaphthalene        | 1.344 | 1.383  | -2.9   | 85    | -0.01    |
| 48   | 2-Nitroaniline             | 0.414 | 0.435  | -5.1   | 85    | 0.00     |
| 49   | Acenaphthylene             | 1.936 | 1.942  | -0.3   | 82    | -0.01    |
| 50   | Dimethylphthalate          | 1.492 | 1.545  | -3.6   | 86    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.328 | 0.337  | -2.7   | 83    | 0.00     |
| 52 C | Acenaphthene               | 1.223 | 1.223  | 0.0    | 83    | -0.01    |
| 53   | 3-Nitroaniline             | 0.380 | 0.387  | -1.8   | 84    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.116 | 0.020# | 82.8#  | 13#   | 0.00     |
| 55   | Dibenzofuran               | 1.790 | 1.770  | 1.1    | 82    | -0.01    |
| 56 P | 4-Nitrophenol              | 0.252 | 0.190  | 24.6   | 59    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.427 | 0.415  | 2.8    | 79    | 0.00     |
| 58   | Fluorene                   | 1.375 | 1.335  | 2.9    | 81    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.334 | 0.292  | 12.6   | 71    | 0.00     |
| 60   | Diethylphthalate           | 1.476 | 1.517  | -2.8   | 86    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.712 | 0.723  | -1.5   | 84    | -0.01    |
| 62   | 4-Nitroaniline             | 0.383 | 0.358  | 6.5    | 76    | 0.00     |
| 63   | Azobenzene                 | 1.440 | 1.426  | 1.0    | 81    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000  | 0.0    | 72    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.101 | 0.025  | 75.2#  | 17#   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.674 | 0.761  | -12.9  | 82    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 0.221 | 0.243  | -10.0  | 80    | -0.01    |
| 68   | Hexachlorobenzene          | 0.233 | 0.243  | -4.3   | 76    | 0.00     |
| 69   | Atrazine                   | 0.206 | 0.211  | -2.4   | 74    | 0.00     |
| 70 C | Pentachlorophenol          | 0.124 | 0.121  | 2.4    | 68    | 0.00     |
| 71   | Phenanthrene               | 1.071 | 1.077  | -0.6   | 75    | 0.00     |
| 72   | Anthracene                 | 1.081 | 1.074  | 0.6    | 73    | -0.01    |
| 73   | Carbazole                  | 1.038 | 1.002  | 3.5    | 70    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.217 | 1.306  | -7.3   | 77    | -0.01    |
| 75 C | Fluoranthene               | 1.074 | 0.987  | 8.1    | 68    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000  | 0.0    | 81    | -0.01    |
| 77   | Benzidine                  | 0.550 | 0.749  | -36.2# | 115   | 0.00     |
| 78   | Pyrene                     | 1.540 | 1.275  | 17.2   | 68    | 0.00     |
| 79 S | Terphenyl-d14              | 1.068 | 0.892  | 16.5   | 70    | -0.01    |
| 80   | Butylbenzylphthalate       | 0.663 | 0.598  | 9.8    | 72    | -0.01    |
| 81   | Benzo(a)anthracene         | 1.195 | 1.182  | 1.1    | 81    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 0.400 | 0.407  | -1.7   | 84    | 0.00     |
| 83   | Chrysene                   | 1.139 | 1.136  | 0.3    | 84    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.822 | 0.790  | 3.9    | 79    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.209 | 1.437  | -18.9  | 100   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 0.817 | 0.690  | 15.5   | 70    | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000  | 0.0    | 84    | 0.00     |

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| 88   | Benzo(b)fluoranthene   | 1.196 | 1.305 | -9.1 | 90    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.182 | 1.256 | -6.3 | 93    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.087 | 1.101 | -1.3 | 86    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 0.920 | 0.806 | 12.4 | 72    | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 0.913 | 0.751 | 17.7 | 67    | 0.00     |

(#) = Out of Range

SPCC's out = 2 CCC's out = 0