

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF073018\  
 Data File : BF107801.D  
 Acq On : 30 Jul 2018 15:49  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 30 18:21:32 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 30 17:48:53 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                     | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------------|--------|--------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4       | 20.000 | 20.000 | 0.0  | 103   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.667 | 0.8  | 101   | 0.00     |
| 3    | Pyridine                     | 40.000 | 36.668 | 8.3  | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.690 | 13.3 | 94    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 70.873 | 11.4 | 85    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.873 | 2.8  | 94    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 73.159 | 8.6  | 98    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.351 | 6.6  | 98    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 36.736 | 8.2  | 96    | 0.00     |
| 10 C | Phenol                       | 40.000 | 32.033 | 19.9 | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.548 | 1.1  | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.788 | 5.5  | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.892 | 2.8  | 98    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.273 | 6.8  | 99    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 39.025 | 2.4  | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.757 | 8.1  | 96    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.541 | 3.6  | 96    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 36.338 | 9.2  | 97    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.007 | 2.5  | 98    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.104 | -2.8 | 97    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 103   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 36.510 | 8.7  | 98    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 75.858 | 5.2  | 101   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 37.347 | 6.6  | 98    | 0.00     |
| 25   | Isophorone                   | 40.000 | 37.298 | 6.8  | 95    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 39.443 | 1.4  | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.811 | 5.5  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.374 | 1.6  | 97    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.453 | 1.4  | 98    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.637 | 3.4  | 98    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.228 | 1.9  | 96    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 32.250 | 19.4 | 76    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.169 | -0.4 | 102   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.427 | 6.4  | 98    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.075 | 2.3  | 99    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.029 | -0.1 | 98    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.317 | -0.8 | 98    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 104   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.920 | 2.7  | 97    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 37.031 | 7.4  | 96    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 78.049 | 2.4  | 99    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 40.762 | -1.9 | 98    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.235 | -0.6 | 97    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.154 | 3.6  | 102   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 38.736 | 3.2  | 98    | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.703 | 3.2  | 98    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 39.213 | 2.0  | 98    | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 37.237 | 6.9  | 99    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.012 | 2.5  | 100   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.632 | 0.9  | 102   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 36.532 | 8.7  | 100   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 38.538 | 3.7  | 98    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 37.124 | 7.2  | 95    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 37.578 | 6.1  | 98    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 36.203 | 9.5  | 89    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 37.663 | 5.8  | 95    | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.369 | 6.6  | 99    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.625 | 3.4  | 93    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.739 | 5.7  | 100   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 37.693 | 5.8  | 100   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.022 | 2.4  | 101   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 37.407 | 6.5  | 99    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 105   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.462 | -1.2 | 102   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 37.399 | 6.5  | 100   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 36.095 | 9.8  | 98    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.526 | 6.2  | 99    | 0.00     |
| 68   | Atrazine                   | 40.000 | 38.886 | 2.8  | 101   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.094 | -0.2 | 99    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 37.351 | 6.6  | 98    | 0.00     |
| 71   | Anthracene                 | 40.000 | 36.668 | 8.3  | 98    | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.128 | 4.7  | 100   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 36.889 | 7.8  | 98    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 36.803 | 8.0  | 98    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 104   | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.178 | 2.1  | 98    | 0.00     |
| 77   | Pyrene                     | 40.000 | 37.465 | 6.3  | 100   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 75.326 | 5.8  | 102   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 37.953 | 5.1  | 98    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 36.991 | 7.5  | 96    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.192 | 7.0  | 98    | 0.00     |
| 82   | Chrysene                   | 40.000 | 37.655 | 5.9  | 101   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.425 | 6.4  | 99    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 38.185 | 4.5  | 99    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.395 | 16.5 | 93    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 106   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.785 | 3.0  | 103   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 36.778 | 8.1  | 95    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 36.454 | 8.9  | 99    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 34.696 | 13.3 | 96    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 33.759 | 15.6 | 93    | -0.01    |

(#) = Out of Range

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