

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF071818\  
 Data File : BF107464.D  
 Acq On : 18 Jul 2018 9:17  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 19 08:50:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 18 11:55:34 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    | 99    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 32.123 | 19.7   | 84    | 0.00     |
| 3    | Pyridine                     | 40.000 | 34.043 | 14.9   | 89    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.887 | 10.3   | 91    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 69.422 | 13.2   | 92    | 0.00     |
| 6    | Aniline                      | 40.000 | 36.817 | 8.0    | 94    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 70.944 | 11.3   | 94    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.379 | 6.6    | 96    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.182 | 12.0   | 91    | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.726 | 5.7    | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 35.843 | 10.4   | 95    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 35.657 | 10.9   | 97    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 35.717 | 10.7   | 91    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 35.736 | 10.7   | 95    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.881 | 7.8    | 94    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.861 | 10.3   | 91    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 36.443 | 8.9    | 95    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.967 | 2.6    | 100   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 36.517 | 8.7    | 92    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 34.363 | 14.1   | 89    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 105   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 33.459 | 16.4   | 91    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 90.344 | -12.9  | 109   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.930 | -2.3   | 100   | 0.00     |
| 25   | Isophorone                   | 40.000 | 36.085 | 9.8    | 96    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 49.800 | -24.5# | 122   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.070 | 7.3    | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 35.447 | 11.4   | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.698 | 3.3    | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 36.954 | 7.6    | 100   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 35.314 | 11.7   | 96    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 35.176 | 12.1   | 93    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 37.168 | 7.1    | 98    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.549 | 6.1    | 99    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 36.880 | 7.8    | 93    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.589 | 6.0    | 98    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 36.856 | 7.9    | 98    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 107   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 34.725 | 13.2   | 101   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.647 | 0.9    | 106   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 78.046 | 2.4    | 110   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.086 | 4.8    | 107   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.662 | 3.3    | 103   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 79.148 | 1.1    | 104   | 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 | 34.819 | 13.0   | 102   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 34.838 | 12.9   | 101   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 45.940 | -14.8  | 122   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 35.531 | 11.2   | 101   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 37.414 | 6.5    | 107   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.200 | -5.5   | 113   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 36.570 | 8.6    | 106   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.031 | -2.6   | 118   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 54.641 | -36.6# | 169   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 34.167 | 14.6   | 101   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 39.486 | 1.3    | 108   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.537 | -11.3  | 120   | 0.00     |
| 57   | Fluorene                   | 40.000 | 35.329 | 11.7   | 105   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 34.401 | 14.0   | 101   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 36.193 | 9.5    | 103   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 36.865 | 7.8    | 105   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 42.177 | -5.4   | 114   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 34.305 | 14.2   | 97    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 110   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 51.389 | -28.5# | 155   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 36.203 | 9.5    | 103   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 36.350 | 9.1    | 102   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 36.900 | 7.8    | 105   | 0.00     |
| 68   | Atrazine                   | 40.000 | 39.021 | 2.4    | 111   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 35.923 | 10.2   | 92    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 35.500 | 11.3   | 102   | 0.00     |
| 71   | Anthracene                 | 40.000 | 36.124 | 9.7    | 103   | 0.00     |
| 72   | Carbazole                  | 40.000 | 35.691 | 10.8   | 102   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 38.678 | 3.3    | 109   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 35.662 | 10.8   | 103   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 106   | 0.00     |
| 76   | Benzidine                  | 40.000 | 33.061 | 17.3   | 88    | 0.00     |
| 77   | Pyrene                     | 40.000 | 37.657 | 5.9    | 102   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 76.174 | 4.8    | 113   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 43.801 | -9.5   | 111   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 36.982 | 7.5    | 103   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 35.589 | 11.0   | 97    | 0.00     |
| 82   | Chrysene                   | 40.000 | 35.655 | 10.9   | 98    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.813 | 0.5    | 107   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.217 | -8.0   | 116   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.498 | 16.3   | 102   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 110   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 38.356 | 4.1    | 108   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 35.515 | 11.2 | 96    | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 36.617 | 8.5  | 100   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 35.406 | 11.5 | 100   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 34.105 | 14.7 | 104   | 0.00     |

(#) = Out of Range

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