

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF120718\  
 Data File : BF111205.D  
 Acq On : 8 Dec 2018 00:06  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 08 03:11:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 05 17:30:55 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    | 86    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 40.035 | -0.1   | 87    | -0.04    |
| 3    | Pyridine                     | 40.000 | 40.004 | -0.0   | 86    | -0.02    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.428 | 8.9    | 78    | -0.03    |
| 5 S  | 2-Fluorophenol               | 80.000 | 73.414 | 8.2    | 81    | 0.00     |
| 6    | Aniline                      | 40.000 | 37.554 | 6.1    | 81    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 74.464 | 6.9    | 81    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.378 | -0.9   | 87    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 44.465 | -11.2  | 90    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.403 | -3.5   | 92    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.967 | -2.4   | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.760 | 0.6    | 88    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.997 | 2.5    | 85    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.132 | 4.7    | 83    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 37.730 | 5.7    | 81    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.862 | 7.8    | 79    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.837 | 5.4    | 82    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.189 | 4.5    | 81    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.143 | 4.6    | 84    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 37.594 | 6.0    | 82    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 77    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.293 | -3.2   | 83    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 90.713 | -13.4  | 86    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 46.036 | -15.1  | 87    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.683 | 0.8    | 78    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 49.944 | -24.9# | 90    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.759 | -1.9   | 81    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.396 | -1.0   | 79    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.525 | -3.8   | 80    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.841 | -2.1   | 80    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 41.128 | -2.8   | 79    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 50.775 | -26.9# | 90    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.439 | 1.4    | 76    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 45.565 | -13.9  | 88    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 42.712 | -6.8   | 84    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 46.004 | -15.0  | 88    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 44.990 | -12.5  | 88    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 45.327 | -13.3  | 89    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 85    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.021 | -7.6   | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 25.536 | 36.2#  | 52    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 70.770 | 11.5   | 74    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 43.100 | -7.8   | 90    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 43.295 | -8.2   | 90    | 0.00     |

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|      | Compound                   | Amount | Calc.   | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|---------|--------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 88.284  | -10.4  | 89    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.117  | -2.8   | 89    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 42.102  | -5.3   | 91    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 45.404  | -13.5  | 93    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 42.369  | -5.9   | 88    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.577  | -6.4   | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 47.613  | -19.0  | 95    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.486  | 6.3    | 82    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 43.330  | -8.3   | 87    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 27.238  | 31.9#  | 55    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.378  | 6.6    | 78    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 38.014  | 5.0    | 75    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.360  | -5.9   | 87    | 0.00     |
| 58   | Fluorene                   | 40.000 | 33.998  | 15.0   | 71    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.925  | 2.7    | 79    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 34.765  | 13.1   | 74    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 34.912  | 12.7   | 73    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 34.394  | 14.0   | 70    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 32.782  | 18.0   | 70    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000  | 0.0    | 67    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 31.386  | 21.5   | 52    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.766  | -4.4   | 71    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 43.212  | -8.0   | 74    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 42.500  | -6.3   | 73    | 0.00     |
| 69   | Atrazine                   | 40.000 | -20.000 | 150.0# | 74    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.027  | -0.1   | 64    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 42.345  | -5.9   | 70    | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.665  | -4.2   | 69    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.650  | 0.9    | 66    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 43.592  | -9.0   | 74    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 44.163  | -10.4  | 72    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000  | 0.0    | 81    | 0.01     |
| 77   | Benzidine                  | 40.000 | 41.477  | -3.7   | 86    | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.037  | 7.4    | 75    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 74.201  | 7.2    | 78    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.175  | 4.6    | 73    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.643  | 3.4    | 77    | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.887  | -4.7   | 81    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.346  | 1.6    | 79    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.573  | 3.6    | 74    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 37.703  | 5.7    | 74    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.959  | 0.1    | 82    | 0.02     |
| 87 I | Perylene-d12               | 20.000 | 20.000  | 0.0    | 85    | 0.01     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.160 | -0.4 | 84    | 0.01     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 37.692 | 5.8  | 81    | 0.01     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.669 | 0.8  | 84    | 0.02     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.678 | -1.7 | 85    | 0.02     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 36.479 | 8.8  | 76    | 0.02     |

(#) = Out of Range

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