

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\  
 Data File : BF082320.D  
 Acq On : 16 Oct 2015 11:49  
 Operator : UM/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 17 01:10:12 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 17 01:08:23 2015  
 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   | 91    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.415 | 6.5   | 91    | -0.07    |
| 3    | Pyridine                     | 40.000 | 44.654 | -11.6 | 104   | -0.05    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.061 | -7.7  | 95    | -0.06    |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.221 | -1.5  | 89    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.917 | -2.3  | 90    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 84.051 | -5.1  | 93    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.504 | -1.3  | 95    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 48.887 | -22.2 | 103   | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.313 | 4.2   | 82    | 0.01     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.236 | 4.4   | 86    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.021 | -2.6  | 95    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 40.861 | -2.2  | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 36.918 | 7.7   | 92    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 45.421 | -13.6 | 100   | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.936 | 7.7   | 90    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.429 | -6.1  | 98    | 0.01     |
| 18   | Hexachloroethane             | 40.000 | 39.133 | 2.2   | 92    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.791 | 5.5   | 89    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 44.268 | -10.7 | 104   | 0.01     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 93    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.152 | -2.9  | 98    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 85.488 | -6.9  | 98    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 37.708 | 5.7   | 97    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.621 | 0.9   | 96    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 43.960 | -9.9  | 92    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 45.195 | -13.0 | 109   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.888 | -4.7  | 92    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.653 | -1.6  | 89    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.275 | 1.8   | 92    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.063 | 4.8   | 92    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.232 | 9.4   | 87    | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 38.317 | 4.2   | 85    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.059 | 2.4   | 93    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 46.999 | -17.5 | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 46.513 | -16.3 | 109   | 0.01     |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.380 | -6.0  | 98    | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 98    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 34.746 | 13.1  | 91    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 29.925 | 25.2# | 69    | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 78.182 | 2.3   | 102   | 0.01     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 38.525 | 3.7   | 102   | 0.01     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 38.408 | 4.0   | 97    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 81.916 | -2.4  | 96    | 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 | 36.934 | 7.7   | 100   | 0.01     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.371 | 4.1   | 98    | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 44.752 | -11.9 | 114   | 0.01     |
| 48   | Acenaphthylene             | 40.000 | 38.751 | 3.1   | 98    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 35.996 | 10.0  | 100   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.625 | -6.6  | 102   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.930 | 0.2   | 99    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 40.446 | -1.1  | 99    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 40.728 | -1.8  | 100   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.152 | 4.6   | 95    | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 44.902 | -12.3 | 104   | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 39.714 | 0.7   | 96    | 0.00     |
| 57   | Fluorene                   | 40.000 | 38.552 | 3.6   | 98    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.351 | -3.4  | 111   | 0.01     |
| 59   | Diethylphthalate           | 40.000 | 37.070 | 7.3   | 95    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 37.905 | 5.2   | 100   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 44.129 | -10.3 | 105   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.907 | 7.7   | 98    | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.469 | 1.3   | 96    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 35.716 | 10.7  | 98    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 35.647 | 10.9  | 99    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.685 | 5.8   | 102   | 0.00     |
| 68   | Atrazine                   | 40.000 | 39.282 | 1.8   | 117   | 0.01     |
| 69 C | Pentachlorophenol          | 40.000 | 41.041 | -2.6  | 100   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 36.812 | 8.0   | 106   | 0.00     |
| 71   | Anthracene                 | 40.000 | 40.540 | -1.3  | 106   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.777 | 0.6   | 110   | 0.01     |
| 73   | Di-n-butylphthalate        | 40.000 | 35.765 | 10.6  | 98    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 40.442 | -1.1  | 107   | 0.01     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 115   | 0.06     |
| 76   | Benzidine                  | 40.000 | 22.889 | 42.8# | 65    | 0.01     |
| 77   | Pyrene                     | 40.000 | 38.623 | 3.4   | 116   | 0.01     |
| 78 S | Terphenyl-d14              | 80.000 | 70.807 | 11.5  | 105   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 35.195 | 12.0  | 108   | 0.02     |
| 80   | Benzo(a)anthracene         | 40.000 | 37.612 | 6.0   | 113   | 0.06     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.473 | 6.3   | 111   | 0.06     |
| 82   | Chrysene                   | 40.000 | 34.344 | 14.1  | 114   | 0.06     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 33.389 | 16.5  | 98    | 0.05     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 32.746 | 18.1  | 101   | 0.13     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.299 | 1.8   | 128   | 0.17     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 120   | 0.15     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 34.074 | 14.8  | 92    | 0.14     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 42.931 | -7.3 | 153   | 0.14     |
| 89 C | Benzo(a)pyrene         | 40.000 | 38.179 | 4.6  | 119   | 0.15     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.051 | -0.1 | 126   | 0.18     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.658 | -1.6 | 132   | 0.18     |

(#) = Out of Range

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