

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG091718\  
 Data File : BG036748.D  
 Acq On : 17 Sep 2018 10:51  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 17 11:45:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 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   | 106   | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.237 | 4.4   | 106   | 0.00     |
| 3    | Pyridine                     | 40.000 | 38.496 | 3.8   | 100   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.811 | 8.0   | 97    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 74.530 | 6.8   | 99    | 0.00     |
| 6    | Aniline                      | 40.000 | 35.879 | 10.3  | 96    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 72.485 | 9.4   | 96    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 36.498 | 8.8   | 97    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 34.284 | 14.3  | 97    | 0.00     |
| 10 C | Phenol                       | 40.000 | 36.585 | 8.5   | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.375 | 9.1   | 98    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.145 | 7.1   | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.748 | 5.6   | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 36.701 | 8.2   | 100   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 35.985 | 10.0  | 94    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.145 | 12.1  | 95    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 35.456 | 11.4  | 95    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 38.295 | 4.3   | 101   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 34.637 | 13.4  | 93    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 36.203 | 9.5   | 97    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 36.943 | 7.6   | 95    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 85.472 | -6.8  | 107   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.589 | -1.5  | 101   | 0.00     |
| 25   | Isophorone                   | 40.000 | 36.711 | 8.2   | 94    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 43.784 | -9.5  | 112   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 35.851 | 10.4  | 92    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.306 | 6.7   | 95    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.724 | 0.7   | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.678 | 0.8   | 103   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 37.724 | 5.7   | 97    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 29.142 | 27.1# | 73    | -0.03    |
| 33   | 4-Chloroaniline              | 40.000 | 37.566 | 6.1   | 95    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.140 | -2.9  | 104   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 38.266 | 4.3   | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 38.535 | 3.7   | 97    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.487 | 3.8   | 98    | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 104   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.347 | 1.6   | 103   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 42.397 | -6.0  | 109   | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 84.705 | -5.9  | 104   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.731 | 0.7   | 102   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.812 | 0.5   | 101   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.935 | 2.6   | 103   | 0.00     |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 37.155 | 7.1   | 99    | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 37.975 | 5.1   | 100   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 40.974 | -2.4  | 101   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 37.925 | 5.2   | 99    | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 37.659 | 5.9   | 98    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 39.365 | 1.6   | 101   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.478 | 6.3   | 98    | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.315 | -3.3  | 100   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 33.083 | 17.3  | 85    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 37.979 | 5.1   | 100   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 36.762 | 8.1   | 91    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 43.735 | -9.3  | 111   | 0.00     |
| 57   | Fluorene                   | 40.000 | 37.528 | 6.2   | 98    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.011 | -2.5  | 104   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 37.449 | 6.4   | 97    | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.019 | 2.5   | 103   | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 40.774 | -1.9  | 99    | 0.00     |
| 62   | Azobenzene                 | 40.000 | 36.690 | 8.3   | 96    | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 104   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.096 | -10.2 | 115   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 37.050 | 7.4   | 99    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 39.324 | 1.7   | 103   | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 38.656 | 3.4   | 102   | 0.00     |
| 68   | Atrazine                   | 40.000 | 32.203 | 19.5  | 87    | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 36.688 | 8.3   | 89    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 37.548 | 6.1   | 99    | 0.00     |
| 71   | Anthracene                 | 40.000 | 37.299 | 6.8   | 98    | 0.00     |
| 72   | Carbazole                  | 40.000 | 36.851 | 7.9   | 96    | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 36.809 | 8.0   | 94    | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 37.799 | 5.5   | 98    | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 102   | 0.00     |
| 76   | Benzidine                  | 40.000 | 33.418 | 16.5  | 91    | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.269 | 4.3   | 97    | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 78.653 | 1.7   | 102   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 38.034 | 4.9   | 94    | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 37.950 | 5.1   | 99    | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 36.999 | 7.5   | 92    | 0.00     |
| 82   | Chrysene                   | 40.000 | 38.139 | 4.7   | 98    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.162 | 7.1   | 93    | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 37.528 | 6.2   | 93    | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.235 | 4.4   | 97    | -0.03    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 104   | -0.01    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.989 | 5.0   | 97    | -0.01    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.675 | 5.8  | 98    | -0.01    |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.632 | 5.9  | 97    | -0.01    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 37.499 | 6.3  | 97    | -0.03    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 37.870 | 5.3  | 98    | -0.02    |

(#) = Out of Range

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