

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012219\  
 Data File : BG039248.D  
 Acq On : 22 Jan 2019 11:42  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 22 12:26:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 09 14:23:53 2019  
 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   | 84    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 35.214 | 12.0  | 75    | 0.00     |
| 3    | Pyridine                     | 40.000 | 38.427 | 3.9   | 78    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.059 | -2.6  | 83    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.871 | 2.7   | 79    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.961 | 2.6   | 79    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.787 | -3.5  | 84    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.813 | 0.5   | 81    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.050 | 7.4   | 82    | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.207 | -3.0  | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.150 | -0.4  | 82    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.154 | 4.6   | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.551 | 3.6   | 80    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.974 | 2.6   | 81    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.631 | -4.1  | 83    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.805 | -2.0  | 85    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.081 | -2.7  | 83    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.089 | -0.2  | 83    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.700 | -1.8  | 85    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.898 | -2.2  | 83    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 94    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 34.855 | 12.9  | 82    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 71.440 | 10.7  | 84    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 35.284 | 11.8  | 84    | 0.00     |
| 25   | Isophorone                   | 40.000 | 35.216 | 12.0  | 83    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 36.312 | 9.2   | 84    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 35.378 | 11.6  | 82    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.684 | 8.3   | 85    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.564 | -1.4  | 93    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.046 | 7.4   | 88    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.732 | 3.2   | 93    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 34.936 | 12.7  | 89    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.308 | 4.2   | 88    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.013 | 2.5   | 91    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.608 | 3.5   | 91    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.262 | -3.2  | 97    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 36.978 | 7.6   | 88    | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 37.059 | 7.4   | 88    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 89    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 46.391 | -16.0 | 102   | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 46.804 | -17.0 | 109   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 72.421 | 9.5   | 79    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 44.112 | -10.3 | 95    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 43.798 | -9.5  | 93    | 0.00     |

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

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 82.107 | -2.6  | 91    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.965 | -2.4  | 90    | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.464 | -1.2  | 89    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 41.010 | -2.5  | 87    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.762 | 3.1   | 86    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.907 | 5.2   | 85    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.793 | 3.0   | 85    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.240 | 4.4   | 86    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.444 | 3.9   | 84    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 47.981 | -20.0 | 109   | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 37.727 | 5.7   | 85    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.989 | 12.5  | 74    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 36.489 | 8.8   | 81    | 0.00     |
| 58   | Fluorene                   | 40.000 | 36.958 | 7.6   | 82    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.902 | 5.2   | 84    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 35.616 | 11.0  | 80    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 36.562 | 8.6   | 81    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 36.127 | 9.7   | 77    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.432 | 8.9   | 82    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 82    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.547 | 8.6   | 73    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.849 | 2.9   | 79    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.184 | -0.5  | 82    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.701 | 0.7   | 82    | -0.01    |
| 69   | Atrazine                   | 40.000 | 37.558 | 6.1   | 75    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 44.254 | -10.6 | 93    | -0.01    |
| 71   | Phenanthrene               | 40.000 | 38.219 | 4.5   | 78    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.527 | 1.2   | 81    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.651 | 3.4   | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.337 | 1.7   | 81    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 43.007 | -7.5  | 89    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 87    | -0.01    |
| 77   | Benzidine                  | 40.000 | 38.063 | 4.8   | 76    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.866 | 2.8   | 84    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 75.314 | 5.9   | 83    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.975 | -12.4 | 96    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.300 | 1.8   | 84    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.868 | 5.3   | 81    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.585 | 3.5   | 83    | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.502 | -3.8  | 89    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 45.911 | -14.8 | 98    | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.325 | 4.2   | 81    | -0.03    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 84    | -0.03    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.143 | -0.4 | 85    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.328 | 1.7  | 81    | -0.01    |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.977 | 2.6  | 81    | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.604 | 3.5  | 80    | -0.03    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 36.778 | 8.1  | 77    | -0.03    |

(#) = Out of Range

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