

Data Path : U:\HPCHEM1\BNA G\Data\BG020218\  
 Data File : BG032524.D  
 Acq On : 2 Feb 2018 23:20  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 03 00:46:54 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 29 15:32:55 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  | 128   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.662 | 0.8  | 139   | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.536 | -1.3 | 127   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.374 | -3.4 | 125   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 83.956 | -4.9 | 131   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.116 | -0.3 | 123   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 84.433 | -5.5 | 134   | 0.01     |
| 8    | 2-Chlorophenol               | 40.000 | 41.527 | -3.8 | 130   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.489 | 3.8  | 123   | 0.00     |
| 10 C | Phenol                       | 40.000 | 42.141 | -5.4 | 131   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.863 | -4.7 | 133   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.789 | -7.0 | 139   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 43.053 | -7.6 | 139   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 42.707 | -6.8 | 135   | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 41.438 | -3.6 | 127   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.466 | 3.8  | 122   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.966 | 0.1  | 125   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.534 | -6.3 | 139   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.245 | -3.1 | 127   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.285 | -5.7 | 128   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 128   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.646 | 3.4  | 125   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.855 | -2.3 | 129   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.591 | -1.5 | 131   | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.347 | -0.9 | 130   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.911 | -2.3 | 125   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.109 | 4.7  | 122   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.177 | 2.1  | 126   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.194 | -3.0 | 132   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.665 | 0.8  | 131   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 40.194 | -0.5 | 130   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.509 | 8.7  | 118   | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 39.191 | 2.0  | 127   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.327 | -0.8 | 132   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 42.348 | -5.9 | 133   | 0.03     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.845 | -2.1 | 133   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.004 | -0.0 | 129   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 129   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.836 | 2.9  | 129   | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 36.653 | 8.4  | 120   | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 87.469 | -9.3 | 144   | -0.01    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.697 | 0.8  | 133   | -0.01    |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 40.939 | -2.3 | 135   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 76.679 | 4.2  | 128   | -0.01    |

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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 | 39.437 | 1.4   | 131   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.578 | 1.1   | 132   | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 43.129 | -7.8  | 142   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.956 | 0.1   | 133   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.662 | 0.8   | 136   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.588 | -4.0  | 141   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 37.533 | 6.2   | 124   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 42.457 | -6.1  | 140   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 17.257 | 56.9# | 51    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 39.611 | 1.0   | 134   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 34.286 | 14.3  | 114   | 0.01     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.416 | -6.0  | 140   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.879 | 0.3   | 136   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.685 | -4.2  | 136   | -0.01    |
| 59   | Diethylphthalate           | 40.000 | 41.060 | -2.7  | 141   | -0.01    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.927 | 0.2   | 134   | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 41.279 | -3.2  | 142   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 41.086 | -2.7  | 141   | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 138   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 25.660 | 35.9# | 88    | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.136 | 2.2   | 138   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.407 | -1.0  | 141   | -0.01    |
| 67   | Hexachlorobenzene          | 40.000 | 40.092 | -0.2  | 142   | -0.01    |
| 68   | Atrazine                   | 40.000 | 41.363 | -3.4  | 142   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 35.762 | 10.6  | 126   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.075 | 2.3   | 139   | -0.01    |
| 71   | Anthracene                 | 40.000 | 40.470 | -1.2  | 142   | -0.01    |
| 72   | Carbazole                  | 40.000 | 40.249 | -0.6  | 142   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.698 | -4.2  | 146   | -0.01    |
| 74 C | Fluoranthene               | 40.000 | 40.334 | -0.8  | 146   | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 149   | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.045 | 2.4   | 131   | 0.00     |
| 77   | Pyrene                     | 40.000 | 38.136 | 4.7   | 145   | -0.01    |
| 78 S | Terphenyl-d14              | 80.000 | 75.416 | 5.7   | 145   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 43.001 | -7.5  | 159   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.986 | 0.0   | 152   | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.238 | -0.6  | 151   | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.134 | -0.3  | 155   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.154 | -7.9  | 160   | -0.01    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.943 | -9.9  | 163   | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.529 | -6.3  | 160   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 156   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.281 | 1.8   | 156   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area | % Dev(min) |
|------|------------------------|--------|--------|------|------|------------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.099 | -0.2 | 161  | -0.01      |
| 89 C | Benzo(a)pyrene         | 40.000 | 40.053 | -0.1 | 160  | 0.00       |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.537 | -1.3 | 160  | 0.00       |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.075 | -0.2 | 158  | 0.00       |

(#) = Out of Range

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