

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100820\  
 Data File : BG046811.D  
 Acq On : 8 Oct 2020 11:03  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 08 13:13:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 07 11:38:17 2020  
 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    | 116   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 34.647 | 13.4   | 107   | 0.00     |
| 3    | Pyridine                    | 40.000 | 37.221 | 6.9    | 110   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 36.683 | 8.3    | 111   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 76.928 | 3.8    | 116   | 0.00     |
| 6    | Aniline                     | 40.000 | 36.931 | 7.7    | 111   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 77.566 | 3.0    | 117   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.069 | 4.8    | 116   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 41.072 | -2.7   | 111   | 0.00     |
| 10 C | Phenol                      | 40.000 | 36.777 | 8.1    | 113   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.623 | 8.4    | 114   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.850 | 2.9    | 117   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.144 | 2.1    | 118   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.459 | 1.4    | 118   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 36.431 | 8.9    | 110   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 32.014 | 20.0   | 98    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 37.329 | 6.7    | 115   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.510 | 6.2    | 116   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.173 | 12.1   | 106   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.167 | 4.6    | 115   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 111   | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.004 | 2.5    | 115   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 92.941 | -16.2  | 133   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 43.606 | -9.0   | 126   | 0.00     |
| 25   | Isophorone                  | 40.000 | 36.889 | 7.8    | 108   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 51.905 | -29.8# | 147   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.290 | 4.3    | 115   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.706 | 8.2    | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.852 | -7.1   | 124   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.570 | -3.9   | 121   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.154 | -0.4   | 118   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 50.749 | -26.9# | 162   | 0.02     |
| 33   | 4-Chloroaniline             | 40.000 | 39.517 | 1.2    | 118   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 42.230 | -5.6   | 123   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.178 | -0.4   | 118   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.155 | -0.4   | 119   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.538 | -1.3   | 121   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 41.076 | -2.7   | 120   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 116   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.777 | -1.9   | 123   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 36.999 | 7.5    | 110   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 97.665 | -22.1  | 145   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 43.120 | -7.8   | 126   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 44.250 | -10.6  | 134   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.633 | 1.7    | 119   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.099 | -0.2   | 120   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.251 | -0.6   | 123   | 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) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 52.352 | -30.9# | 152   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.956 | 0.1    | 123   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.772 | 0.6    | 120   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 53.364 | -33.4# | 155   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.026 | -2.6   | 126   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 50.101 | -25.3# | 147   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 51.559 | -28.9# | 161   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.644 | -1.6   | 124   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 51.000 | -27.5# | 151   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 57.857 | -44.6# | 167   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.443 | -1.1   | 123   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 46.016 | -15.0  | 139   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.811 | 3.0    | 119   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.147 | -2.9   | 124   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 49.780 | -24.5  | 148   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.954 | 7.6    | 113   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 119   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 54.105 | -35.3# | 182   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.343 | 4.1    | 121   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.911 | -2.3   | 129   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.430 | -1.1   | 129   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.146 | 4.6    | 126   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 45.128 | -12.8  | 138   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.799 | 0.5    | 127   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.822 | 0.4    | 128   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.163 | -0.4   | 129   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.142 | 4.6    | 122   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.605 | -4.0   | 134   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 136   | 0.00     |
| 77   | Benzydine                  | 40.000 | 40.984 | -2.5   | 144   | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.959 | 5.1    | 137   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 74.646 | 6.7    | 134   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.128 | -0.3   | 142   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.311 | 1.7    | 143   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.548 | 3.6    | 138   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.617 | 1.0    | 144   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.300 | 4.3    | 137   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 37.954 | 5.1    | 134   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 132   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.356 | -0.9   | 143   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.776 | -1.9   | 143   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.109 | -0.3   | 143   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.172 | -0.4   | 141   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.324 | -0.8   | 141   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.685 | 0.8    | 139   | 0.00     |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range                      SPCC's out = 0    CCC's out = 1