

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG042919\  
 Data File : BG040655.D  
 Acq On : 29 Apr 2019 11:02  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 29 11:36:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 05:35:33 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   | 118   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 41.833 | -4.6  | 128   | 0.00     |
| 3    | Pyridine                    | 40.000 | 42.953 | -7.4  | 125   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.531 | -1.3  | 125   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 84.706 | -5.9  | 129   | 0.00     |
| 6    | Aniline                     | 40.000 | 40.584 | -1.5  | 122   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 85.403 | -6.8  | 130   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.072 | -0.2  | 120   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 47.158 | -17.9 | 135   | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.391 | -6.0  | 128   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.306 | -3.3  | 125   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 41.758 | -4.4  | 127   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.284 | -3.2  | 126   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.634 | -1.6  | 124   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.240 | -0.6  | 121   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.012 | -0.0  | 122   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.827 | -2.1  | 125   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.401 | -1.0  | 124   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 39.310 | 1.7   | 122   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.109 | -2.8  | 124   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 122   | 0.00     |
| 22   | Acetophenone                | 40.000 | 40.380 | -1.0  | 123   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 86.201 | -7.8  | 133   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 43.610 | -9.0  | 136   | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.113 | 2.2   | 121   | -0.01    |
| 26 C | 2-Nitrophenol               | 40.000 | 44.865 | -12.2 | 140   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.505 | 1.2   | 122   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.280 | 1.8   | 120   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.154 | -2.9  | 125   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.783 | -4.5  | 128   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.156 | -0.4  | 122   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 49.385 | -23.5 | 157   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.951 | 0.1   | 125   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 42.060 | -5.2  | 130   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 38.885 | 2.8   | 118   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.252 | -3.1  | 130   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.371 | -0.9  | 123   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.918 | 0.2   | 123   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 129   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.459 | 1.4   | 127   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 33.966 | 15.1  | 110   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 82.193 | -2.7  | 134   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.377 | -0.9  | 134   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 41.587 | -4.0  | 136   | 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 S | 2-Fluorobiphenyl           | 80.000 | 78.872 | 1.4   | 126   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.269 | 4.3   | 123   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.538 | 1.2   | 128   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 45.391 | -13.5 | 150   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.784 | 3.0   | 124   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.302 | 1.7   | 126   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 43.976 | -9.9  | 142   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.452 | 3.9   | 127   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 43.934 | -9.8  | 142   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.396 | 6.5   | 128   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.125 | 2.2   | 128   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.879 | -2.2  | 136   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 46.544 | -16.4 | 153   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.823 | 2.9   | 126   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.606 | -4.0  | 134   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.436 | 3.9   | 124   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.545 | 1.1   | 129   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.070 | -5.2  | 137   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.496 | 3.8   | 124   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 130   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.873 | -4.7  | 153   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.686 | 5.8   | 124   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.044 | 2.4   | 129   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.322 | 4.2   | 128   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.304 | 6.7   | 119   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.601 | -1.5  | 133   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.849 | 2.9   | 126   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.613 | 3.5   | 125   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.224 | 4.4   | 124   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 37.800 | 5.5   | 123   | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 38.919 | 2.7   | 127   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 116   | 0.00     |
| 77   | Benzidine                  | 40.000 | 41.391 | -3.5  | 113   | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.632 | -9.1  | 124   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 87.377 | -9.2  | 124   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.857 | -9.6  | 127   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 43.235 | -8.1  | 124   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.466 | -3.7  | 118   | 0.00     |
| 83   | Chrysene                   | 40.000 | 43.701 | -9.3  | 125   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.354 | -3.4  | 119   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.984 | -5.0  | 121   | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.470 | -6.2  | 124   | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 125   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area | % Dev(min) |
|------|------------------------|--------|--------|------|------|------------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.441 | -1.1 | 126  | 0.00       |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.323 | -0.8 | 126  | 0.00       |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.138 | -0.3 | 125  | 0.00       |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 39.413 | 1.5  | 123  | 0.00       |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 39.262 | 1.8  | 122  | 0.00       |

(#) = Out of Range

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