

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060719\  
 Data File : BG041126.D  
 Acq On : 8 Jun 2019 9:11  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 08 18:24:00 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 08 17:33:39 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   | 87    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.104 | 9.7   | 79    | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.006 | 2.5   | 84    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.700 | -1.8  | 87    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.877 | 3.9   | 83    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.993 | 0.0   | 87    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 77.336 | 3.3   | 84    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.719 | 0.7   | 87    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.679 | -1.7  | 88    | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.419 | 4.0   | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.632 | 0.9   | 85    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.924 | 2.7   | 84    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.197 | 2.0   | 84    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.998 | 2.5   | 84    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.053 | -2.6  | 90    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.734 | 3.2   | 84    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.715 | 5.7   | 82    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.874 | 0.3   | 87    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 41.775 | -4.4  | 91    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.031 | 4.9   | 84    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 90    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.080 | -0.2  | 89    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.130 | 1.1   | 88    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.271 | 1.8   | 87    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.470 | 1.3   | 87    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 39.920 | 0.2   | 88    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.994 | 5.0   | 84    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.937 | 2.7   | 86    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 36.893 | 7.8   | 81    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.740 | 3.1   | 85    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.631 | 3.4   | 85    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.995 | 5.0   | 86    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.356 | 1.6   | 87    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.850 | 2.9   | 88    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.084 | 4.8   | 84    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.560 | 6.1   | 83    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.492 | 3.8   | 86    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.770 | 3.1   | 85    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 86    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.287 | -0.7  | 85    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 44.814 | -12.0 | 104   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 78.424 | 2.0   | 83    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.365 | -0.9  | 84    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 39.661 | 0.8   | 84    | 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 | 82.408 | -3.0   | 86    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.330 | -0.8   | 83    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.473 | -1.2   | 85    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 41.318 | -3.3   | 87    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.941 | 0.1    | 82    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.472 | 1.3    | 82    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.251 | 1.9    | 83    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.082 | 2.3    | 82    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.032 | -0.1   | 82    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 50.222 | -25.6# | 123   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.952 | 0.1    | 82    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.600 | -4.0   | 86    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.423 | -1.1   | 83    | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.978 | 2.6    | 82    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.987 | 2.5    | 81    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.750 | 3.1    | 81    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.174 | 2.1    | 83    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.331 | -0.8   | 85    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.810 | 3.0    | 80    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 83    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.627 | -14.1  | 103   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.114 | -0.3   | 82    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.083 | 2.3    | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.180 | 4.6    | 78    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.992 | 2.5    | 73    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.754 | -1.9   | 83    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.276 | -0.7   | 81    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.179 | -0.4   | 81    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.676 | -1.7   | 82    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.645 | 0.9    | 78    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.865 | -2.2   | 81    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 83    | 0.00     |
| 77   | Benzidine                  | 40.000 | 44.899 | -12.2  | 88    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.977 | -2.4   | 82    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.982 | -3.7   | 81    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.576 | -1.4   | 81    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.729 | -1.8   | 82    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.383 | -6.0   | 87    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.766 | -1.9   | 82    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.526 | -1.3   | 82    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.832 | -2.1   | 82    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.543 | 1.1    | 82    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 83    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.849 | 0.4  | 81    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.044 | -0.1 | 81    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.341 | -0.9 | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.055 | -0.1 | 80    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 40.622 | -1.6 | 83    | 0.00     |

(#) = Out of Range

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