

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011419\  
 Data File : BG039121.D  
 Acq On : 14 Jan 2019 15:09  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 14 22:47:02 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    | 108   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 35.798  | 10.5   | 98    | 0.00     |
| 3    | Pyridine                     | 40.000 | 48.857  | -22.1  | 128   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.938  | -2.3   | 106   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 74.616  | 6.7    | 97    | 0.00     |
| 6    | Aniline                      | 40.000 | 48.870  | -22.2  | 126   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 100.450 | -25.6# | 131   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 44.887  | -12.2  | 116   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 46.211  | -15.5  | 132   | 0.00     |
| 10 C | Phenol                       | 40.000 | 50.066  | -25.2# | 130   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.011  | -5.0   | 110   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.871  | -4.7   | 112   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.315  | -3.3   | 110   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 53.613  | -34.0# | 143   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.723  | -6.8   | 109   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 50.710  | -26.8# | 135   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 55.351  | -38.4# | 143   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 46.028  | -15.1  | 122   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 48.985  | -22.5  | 131   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 46.844  | -17.1  | 121   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000  | 0.0    | 100   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 53.599  | -34.0# | 133   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 99.272  | -24.1  | 123   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 45.178  | -12.9  | 113   | -0.01    |
| 25   | Isophorone                   | 40.000 | 40.224  | -0.6   | 100   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 41.673  | -4.2   | 102   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.896  | -4.7   | 102   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.511  | -1.3   | 99    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.592  | -6.5   | 103   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.857  | 0.4    | 100   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.590  | -1.5   | 103   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.805  | 8.0    | 101   | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 41.048  | -2.6   | 100   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.622  | -1.6   | 100   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.172  | -0.4   | 100   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.890  | -4.7   | 104   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.495  | -1.2   | 102   | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.942  | -2.4   | 103   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000  | 0.0    | 115   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 36.764  | 8.1    | 105   | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 35.097  | 12.3   | 101   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 70.286  | 12.1   | 99    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 37.141  | 7.1    | 103   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 37.531  | 6.2    | 103   | 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 | 72.347 | 9.6   | 104   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 42.791 | -7.0  | 122   | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 42.646 | -6.6  | 122   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 44.045 | -10.1 | 121   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.787 | -4.5  | 120   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.627 | -1.6  | 118   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.449 | -6.1  | 120   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 46.334 | -15.8 | 134   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.295 | -0.7  | 115   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.038 | -2.6  | 118   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.770 | -1.9  | 118   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.177 | 7.1   | 102   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.723 | 3.2   | 112   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.214 | 4.5   | 110   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.237 | 6.9   | 107   | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 38.795 | 3.0   | 113   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.349 | 6.6   | 107   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 37.271 | 6.8   | 103   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 35.300 | 11.8  | 103   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.480 | 1.3   | 93    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.534 | -6.3  | 102   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.278 | -5.7  | 102   | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 40.652 | -1.6  | 99    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.212 | -0.5  | 95    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 36.190 | 9.5   | 87    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.960 | 0.1   | 97    | -0.01    |
| 72   | Anthracene                 | 40.000 | 40.595 | -1.5  | 98    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.820 | 0.4   | 97    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.133 | 2.2   | 95    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.340 | 1.6   | 96    | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 107   | -0.01    |
| 77   | Benzidine                  | 40.000 | 32.501 | 18.7  | 80    | 0.00     |
| 78   | Pyrene                     | 40.000 | 36.006 | 10.0  | 95    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 72.866 | 8.9   | 99    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 36.770 | 8.1   | 97    | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 39.247 | 1.9   | 104   | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.234 | 4.4   | 101   | -0.01    |
| 83   | Chrysene                   | 40.000 | 40.625 | -1.6  | 108   | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.553 | 6.1   | 99    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.270 | -8.2  | 113   | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.036 | 7.4   | 96    | -0.03    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 97    | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 45.443 | -13.6 | 111   | -0.02    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 48.886 | -22.2 | 116   | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.776 | -4.4  | 101   | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.359 | -0.9  | 97    | -0.03    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 38.987 | 2.5   | 95    | -0.03    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1