

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021519\  
 Data File : BG039524.D  
 Acq On : 15 Feb 2019 15:25  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 16 03:16:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 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    | 107   | -0.01    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.801 | 3.0    | 106   | -0.02    |
| 3    | Pyridine                     | 40.000 | 40.918 | -2.3   | 105   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.333 | 9.2    | 99    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.410 | -3.0   | 112   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.100 | -0.3   | 110   | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 85.654 | -7.1   | 115   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 42.686 | -6.7   | 115   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 41.492 | -3.7   | 111   | -0.02    |
| 10 C | Phenol                       | 40.000 | 43.097 | -7.7   | 119   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.658 | 0.9    | 108   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.539 | 1.2    | 109   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.858 | 0.4    | 109   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.398 | 1.5    | 109   | -0.02    |
| 15   | Benzyl Alcohol               | 40.000 | 41.344 | -3.4   | 110   | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 33.558 | 16.1   | 94    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 42.410 | -6.0   | 116   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.979 | 0.1    | 110   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.562 | 3.6    | 103   | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 43.592 | -9.0   | 116   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 109   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 38.850 | 2.9    | 111   | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 94.681 | -18.4  | 133   | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 44.411 | -11.0  | 126   | -0.01    |
| 25   | Isophorone                   | 40.000 | 37.222 | 6.9    | 105   | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 53.823 | -34.6# | 173   | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.268 | -3.2   | 117   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.618 | 1.0    | 110   | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 45.409 | -13.5  | 127   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.425 | -3.6   | 115   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 38.551 | 3.6    | 111   | -0.02    |
| 32   | Benzoic acid                 | 40.000 | 48.426 | -21.1  | 155   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 41.169 | -2.9   | 116   | -0.01    |
| 34 C | Hexachlorobutadiene          | 40.000 | 40.662 | -1.7   | 114   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 41.850 | -4.6   | 111   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.488 | -8.7   | 119   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.631 | 3.4    | 111   | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.816 | 3.0    | 111   | -0.02    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 111   | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.890 | -2.2   | 117   | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 51.427 | -28.6# | 146   | -0.02    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 90.293 | -12.9  | 127   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 45.779 | -14.4  | 126   | -0.01    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 46.560 | -16.4  | 125   | 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 | 78.127 | 2.3    | 114   | -0.02    |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.809 | 3.0    | 113   | -0.02    |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.389 | -1.0   | 117   | -0.01    |
| 48   | 2-Nitroaniline             | 40.000 | 47.598 | -19.0  | 152   | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 39.408 | 1.5    | 114   | -0.01    |
| 50   | Dimethylphthalate          | 40.000 | 39.160 | 2.1    | 113   | -0.02    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 48.136 | -20.3  | 146   | -0.02    |
| 52 C | Acenaphthene               | 40.000 | 38.641 | 3.4    | 109   | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 46.264 | -15.7  | 141   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 45.073 | -12.7  | 137   | -0.01    |
| 55   | Dibenzofuran               | 40.000 | 39.839 | 0.4    | 116   | -0.02    |
| 56 P | 4-Nitrophenol              | 40.000 | 41.532 | -3.8   | 124   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 51.271 | -28.2# | 164   | -0.01    |
| 58   | Fluorene                   | 40.000 | 39.124 | 2.2    | 113   | -0.02    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 44.312 | -10.8  | 121   | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 37.787 | 5.5    | 110   | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.342 | -3.4   | 121   | -0.02    |
| 62   | 4-Nitroaniline             | 40.000 | 45.763 | -14.4  | 136   | -0.01    |
| 63   | Azobenzene                 | 40.000 | 36.399 | 9.0    | 106   | -0.02    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 109   | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 49.610 | -24.0  | 156   | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.342 | 1.6    | 111   | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.652 | -4.1   | 118   | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 42.138 | -5.3   | 120   | -0.01    |
| 69   | Atrazine                   | 40.000 | 37.406 | 6.5    | 104   | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 37.109 | 7.2    | 101   | -0.01    |
| 71   | Phenanthrene               | 40.000 | 38.847 | 2.9    | 111   | -0.01    |
| 72   | Anthracene                 | 40.000 | 39.153 | 2.1    | 112   | -0.02    |
| 73   | Carbazole                  | 40.000 | 38.523 | 3.7    | 111   | -0.01    |
| 74   | Di-n-butylphthalate        | 40.000 | 38.206 | 4.5    | 109   | -0.02    |
| 75 C | Fluoranthene               | 40.000 | 39.547 | 1.1    | 115   | -0.02    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 116   | -0.01    |
| 77   | Benzidine                  | 40.000 | 34.915 | 12.7   | 107   | -0.01    |
| 78   | Pyrene                     | 40.000 | 38.447 | 3.9    | 116   | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 75.702 | 5.4    | 115   | -0.02    |
| 80   | Butylbenzylphthalate       | 40.000 | 39.803 | 0.5    | 117   | -0.02    |
| 81   | Benzo(a)anthracene         | 40.000 | 39.023 | 2.4    | 118   | -0.02    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.385 | -1.0   | 120   | -0.02    |
| 83   | Chrysene                   | 40.000 | 39.039 | 2.4    | 117   | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.006 | 2.5    | 115   | -0.04    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.076 | -0.2   | 118   | -0.05    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.334 | -0.8   | 119   | -0.05    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 119   | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.616 | 3.5  | 118   | -0.03    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 37.765 | 5.6  | 118   | -0.03    |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.705 | 3.2  | 119   | -0.03    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.513 | 3.7  | 119   | -0.06    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 37.213 | 7.0  | 114   | -0.05    |

(#) = Out of Range

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