

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\  
 Data File : BG024732.D  
 Acq On : 7 Nov 2016 17:11  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 08 02:19:03 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 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   | 99    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 43.561 | -8.9  | 112   | 0.00     |
| 3    | Pyridine                     | 40.000 | 42.173 | -5.4  | 108   | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.306 | -0.8  | 101   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 84.955 | -6.2  | 111   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.559 | -3.9  | 105   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 84.529 | -5.7  | 107   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 41.830 | -4.6  | 110   | -0.01    |
| 9    | Benzaldehyde                 | 40.000 | 40.017 | -0.0  | 102   | -0.01    |
| 10 C | Phenol                       | 40.000 | 42.833 | -7.1  | 110   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.559 | -3.9  | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.002 | -5.0  | 111   | -0.02    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.667 | -6.7  | 111   | -0.01    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.959 | -4.9  | 109   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.280 | -5.7  | 108   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.049 | -0.1  | 103   | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 41.749 | -4.4  | 108   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 43.285 | -8.2  | 116   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.152 | -7.9  | 108   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 43.354 | -8.4  | 108   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 98    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 42.139 | -5.3  | 109   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.552 | -4.4  | 109   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 41.376 | -3.4  | 106   | -0.01    |
| 25   | Isophorone                   | 40.000 | 41.620 | -4.0  | 106   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 45.584 | -14.0 | 118   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.097 | -5.2  | 106   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.939 | -4.8  | 111   | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.335 | -8.3  | 110   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.790 | -4.5  | 109   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 42.361 | -5.9  | 109   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.395 | 4.0   | 99    | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 42.744 | -6.9  | 105   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 43.152 | -7.9  | 116   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 40.571 | -1.4  | 102   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 44.457 | -11.1 | 111   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.830 | -7.1  | 111   | -0.01    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 96    | -0.01    |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.395 | -6.0  | 112   | -0.01    |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 43.628 | -9.1  | 111   | -0.01    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 93.129 | -16.4 | 112   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 44.227 | -10.6 | 114   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.649 | -6.6  | 108   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 85.597 | -7.0  | 111   | -0.01    |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 45   | 1,1'-Biphenyl              | 40.000 | 42.600 | -6.5   | 110   | -0.01    |
| 46   | 2-Chloronaphthalene        | 40.000 | 41.912 | -4.8   | 109   | -0.01    |
| 47   | 2-Nitroaniline             | 40.000 | 43.181 | -8.0   | 102   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 43.298 | -8.2   | 109   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 42.916 | -7.3   | 106   | -0.01    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 45.301 | -13.3  | 108   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.440 | 3.9    | 98    | -0.01    |
| 52   | 3-Nitroaniline             | 40.000 | 42.478 | -6.2   | 103   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 52.337 | -30.8# | 123   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 42.653 | -6.6   | 108   | -0.01    |
| 55 P | 4-Nitrophenol              | 40.000 | 42.943 | -7.4   | 105   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 44.492 | -11.2  | 103   | 0.00     |
| 57   | Fluorene                   | 40.000 | 42.399 | -6.0   | 105   | -0.01    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 44.126 | -10.3  | 107   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 41.954 | -4.9   | 103   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.460 | -6.2   | 108   | -0.01    |
| 61   | 4-Nitroaniline             | 40.000 | 43.199 | -8.0   | 105   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.884 | -2.2   | 101   | -0.01    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 94    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.842 | -12.1  | 109   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.195 | -3.0   | 103   | -0.01    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.322 | -5.8   | 107   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 43.773 | -9.4   | 108   | -0.01    |
| 68   | Atrazine                   | 40.000 | 39.705 | 0.7    | 97    | -0.01    |
| 69 C | Pentachlorophenol          | 40.000 | 40.852 | -2.1   | 97    | -0.01    |
| 70   | Phenanthrene               | 40.000 | 41.449 | -3.6   | 104   | 0.00     |
| 71   | Anthracene                 | 40.000 | 42.098 | -5.2   | 105   | -0.01    |
| 72   | Carbazole                  | 40.000 | 41.575 | -3.9   | 105   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.667 | -4.2   | 104   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 42.678 | -6.7   | 104   | -0.01    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 93    | -0.01    |
| 76   | Benzidine                  | 40.000 | 38.922 | 2.7    | 95    | 0.00     |
| 77   | Pyrene                     | 40.000 | 43.427 | -8.6   | 104   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 83.144 | -3.9   | 103   | -0.01    |
| 79   | Butylbenzylphthalate       | 40.000 | 41.881 | -4.7   | 103   | -0.01    |
| 80   | Benzo(a)anthracene         | 40.000 | 41.565 | -3.9   | 104   | -0.01    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 41.475 | -3.7   | 102   | 0.00     |
| 82   | Chrysene                   | 40.000 | 41.518 | -3.8   | 103   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.368 | -3.4   | 102   | -0.02    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 42.166 | -5.4   | 103   | -0.02    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.619 | -4.0   | 107   | -0.03    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 94    | -0.02    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 42.514 | -6.3   | 108   | -0.01    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.564 | -1.4 | 102   | -0.02    |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.563 | -3.9 | 105   | -0.02    |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 40.739 | -1.8 | 107   | -0.03    |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 40.530 | -1.3 | 107   | -0.04    |

(#) = Out of Range

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