

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG070218\  
 Data File : BG035570.D  
 Acq On : 3 Jul 2018 4:06  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 03 05:48:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 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    | 111   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.271 | 4.3    | 107   | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.749 | 0.6    | 103   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 35.082 | 12.3   | 92    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.057 | -1.3   | 110   | 0.00     |
| 6    | Aniline                      | 40.000 | 38.339 | 4.2    | 104   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.091 | -1.4   | 109   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.129 | 2.2    | 105   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.082 | 12.3   | 92    | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.533 | 1.2    | 107   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.544 | 6.1    | 102   | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 40.128 | -0.3   | 113   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.502 | 1.2    | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.631 | -1.6   | 110   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 36.976 | 7.6    | 100   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.795 | 10.5   | 99    | -0.02    |
| 17   | 2-Methylphenol               | 40.000 | 39.765 | 0.6    | 105   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.771 | -1.9   | 109   | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.846 | 10.4   | 97    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 39.214 | 2.0    | 106   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 107   | -0.02    |
| 22   | Acetophenone                 | 40.000 | 39.575 | 1.1    | 105   | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 89.189 | -11.5  | 113   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 42.871 | -7.2   | 110   | -0.02    |
| 25   | Isophorone                   | 40.000 | 36.874 | 7.8    | 98    | -0.02    |
| 26 C | 2-Nitrophenol                | 40.000 | 49.619 | -24.0# | 132   | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 37.631 | 5.9    | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.011 | 2.5    | 103   | -0.02    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 42.265 | -5.7   | 110   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.724 | -4.3   | 107   | -0.02    |
| 31   | Naphthalene                  | 40.000 | 40.387 | -1.0   | 107   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 29.652 | 25.9#  | 79    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.269 | -0.7   | 105   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.586 | -6.5   | 113   | -0.02    |
| 35   | Caprolactam                  | 40.000 | 41.927 | -4.8   | 112   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.363 | -5.9   | 111   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.750 | -1.9   | 106   | -0.02    |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 113   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 43.128 | -7.8   | 118   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 32.817 | 18.0   | 87    | -0.02    |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 94.348 | -17.9  | 130   | -0.02    |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 43.097 | -7.7   | 116   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 42.443 | -6.1   | 118   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.902 | 2.6    | 109   | -0.02    |

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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 | 38.793 | 3.0    | 107   | -0.02    |
| 46   | 2-Chloronaphthalene        | 40.000 | 39.640 | 0.9    | 111   | -0.02    |
| 47   | 2-Nitroaniline             | 40.000 | 46.028 | -15.1  | 128   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.803 | 0.5    | 111   | -0.02    |
| 49   | Dimethylphthalate          | 40.000 | 39.206 | 2.0    | 110   | -0.02    |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 46.261 | -15.7  | 125   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 38.250 | 4.4    | 105   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 48.827 | -22.1  | 128   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 29.646 | 25.9#  | 80    | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.323 | -0.8   | 111   | -0.02    |
| 55 P | 4-Nitrophenol              | 40.000 | 39.604 | 1.0    | 104   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 51.656 | -29.1# | 140   | 0.00     |
| 57   | Fluorene                   | 40.000 | 41.415 | -3.5   | 114   | -0.02    |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.232 | -8.1   | 118   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.219 | 2.0    | 110   | -0.03    |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.367 | -5.9   | 119   | -0.03    |
| 61   | 4-Nitroaniline             | 40.000 | 48.235 | -20.6  | 127   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 37.361 | 6.6    | 104   | -0.02    |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 118   | -0.02    |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.957 | -7.4   | 125   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.105 | 2.2    | 112   | -0.02    |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 42.175 | -5.4   | 124   | -0.02    |
| 67   | Hexachlorobenzene          | 40.000 | 42.515 | -6.3   | 126   | -0.02    |
| 68   | Atrazine                   | 40.000 | 40.231 | -0.6   | 116   | -0.02    |
| 69 C | Pentachlorophenol          | 40.000 | 35.934 | 10.2   | 102   | -0.02    |
| 70   | Phenanthrene               | 40.000 | 40.749 | -1.9   | 118   | -0.02    |
| 71   | Anthracene                 | 40.000 | 40.538 | -1.3   | 116   | -0.02    |
| 72   | Carbazole                  | 40.000 | 40.669 | -1.7   | 117   | -0.02    |
| 73   | Di-n-butylphthalate        | 40.000 | 39.450 | 1.4    | 114   | -0.03    |
| 74 C | Fluoranthene               | 40.000 | 40.895 | -2.2   | 118   | -0.02    |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 126   | -0.02    |
| 76   | Benzidine                  | 40.000 | 35.982 | 10.0   | 110   | -0.02    |
| 77   | Pyrene                     | 40.000 | 38.216 | 4.5    | 119   | -0.02    |
| 78 S | Terphenyl-d14              | 80.000 | 77.607 | 3.0    | 120   | -0.02    |
| 79   | Butylbenzylphthalate       | 40.000 | 37.955 | 5.1    | 114   | -0.03    |
| 80   | Benzo(a)anthracene         | 40.000 | 38.980 | 2.6    | 122   | -0.02    |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 37.821 | 5.4    | 115   | -0.03    |
| 82   | Chrysene                   | 40.000 | 39.112 | 2.2    | 122   | -0.02    |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.122 | 9.7    | 111   | -0.04    |
| 84 c | Di-n-octyl phthalate       | 40.000 | 35.475 | 11.3   | 108   | -0.06    |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.799 | 3.0    | 120   | -0.06    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 122   | -0.04    |
| 87   | Benzo(b)fluoranthene       | 40.000 | 39.973 | 0.1    | 118   | -0.03    |

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|      | Compound               | Amount | Calc.  | %Dev | Area | % Dev(min) |
|------|------------------------|--------|--------|------|------|------------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 39.067 | 2.3  | 121  | -0.03      |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.565 | 1.1  | 119  | -0.04      |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.587 | 1.0  | 120  | -0.07      |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 39.700 | 0.7  | 120  | -0.06      |

(#) = Out of Range

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