

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG051315\  
 Data File : BG017108.D  
 Acq On : 13 May 2015 15:44  
 Operator : TP/IZ  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG051315

Quant Time: May 13 16:28:12 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 13 16:12:13 2015  
 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  | 109   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 41.002 | -2.5 | 114   | 0.00     |
| 3    | Pyridine                    | 40.000 | 41.735 | -4.3 | 110   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.685 | -1.7 | 107   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 82.302 | -2.9 | 108   | 0.00     |
| 6    | Aniline                     | 40.000 | 41.693 | -4.2 | 108   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.510 | -4.4 | 108   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.510 | -3.8 | 109   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 42.338 | -5.8 | 109   | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.938 | -4.8 | 111   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 43.111 | -7.8 | 111   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.680 | 0.8  | 108   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.148 | -0.4 | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.404 | -1.0 | 107   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.949 | -2.4 | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.167 | -2.9 | 110   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 41.074 | -2.7 | 111   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.644 | -1.6 | 108   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.642 | -4.1 | 109   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 42.291 | -5.7 | 110   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 106   | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.801 | -4.5 | 110   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 84.159 | -5.2 | 108   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.795 | -4.5 | 111   | 0.00     |
| 25   | Isophorone                  | 40.000 | 42.056 | -5.1 | 108   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.169 | -5.4 | 109   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.317 | -3.3 | 110   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 42.054 | -5.1 | 110   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.993 | -7.5 | 110   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.705 | 0.7  | 103   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.118 | -2.8 | 107   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 42.296 | -5.7 | 109   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 41.648 | -4.1 | 106   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.837 | -2.1 | 106   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 42.300 | -5.7 | 115   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.820 | -4.6 | 107   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.872 | -2.2 | 110   | 0.00     |
| 38 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 108   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.967 | -2.4 | 107   | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 40.000 | 40.855 | -2.1 | 107   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 80.000 | 78.000 | 2.5  | 103   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 40.000 | 42.039 | -5.1 | 107   | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 40.000 | 42.458 | -6.1 | 111   | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 80.000 | 81.815 | -2.3 | 108   | 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   | 1,1'-Biphenyl              | 40.000 | 40.602 | -1.5 | 107   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 40.738 | -1.8 | 107   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.650 | -4.1 | 111   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 40.926 | -2.3 | 106   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 40.954 | -2.4 | 108   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 41.020 | -2.6 | 105   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.410 | -1.0 | 107   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.746 | -4.4 | 109   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 42.531 | -6.3 | 106   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 40.152 | -0.4 | 106   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 40.865 | -2.2 | 109   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 41.881 | -4.7 | 110   | 0.00     |
| 57   | Fluorene                   | 40.000 | 40.720 | -1.8 | 106   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.480 | -3.7 | 107   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.871 | 0.3  | 107   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 42.082 | -5.2 | 109   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.809 | -2.0 | 106   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 41.232 | -3.1 | 109   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 107   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.464 | -8.7 | 110   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 41.285 | -3.2 | 108   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.963 | -2.4 | 108   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 41.132 | -2.8 | 108   | 0.00     |
| 68   | Atrazine                   | 40.000 | 40.848 | -2.1 | 104   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 40.842 | -2.1 | 104   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 41.699 | -4.2 | 107   | 0.00     |
| 71   | Anthracene                 | 40.000 | 41.205 | -3.0 | 107   | 0.00     |
| 72   | Carbazole                  | 40.000 | 41.124 | -2.8 | 107   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 41.127 | -2.8 | 108   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 40.719 | -1.8 | 106   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 106   | 0.00     |
| 76   | Benzidine                  | 40.000 | 39.483 | 1.3  | 100   | 0.00     |
| 77   | Pyrene                     | 40.000 | 41.963 | -4.9 | 108   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 82.840 | -3.6 | 107   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 41.158 | -2.9 | 106   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 40.916 | -2.3 | 105   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.176 | -0.4 | 104   | 0.00     |
| 82   | Chrysene                   | 40.000 | 40.963 | -2.4 | 106   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.349 | -3.4 | 105   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 40.686 | -1.7 | 105   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.431 | -3.6 | 106   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 104   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 41.284 | -3.2 | 108   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 40.987 | -2.5 | 104   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 41.160 | -2.9 | 106   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 41.572 | -3.9 | 108   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 40.000 | 41.107 | -2.8 | 106   | 0.00     |

(#) = Out of Range

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