

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\  
 Data File : BG029275.D  
 Acq On : 16 Oct 2017 15:59  
 Operator : SJ/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG101617

Quant Time: Oct 16 16:43:56 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 16:15:45 2017  
 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  | 115   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.964 | 5.1  | 101   | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.372 | 1.6  | 104   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.547 | 1.1  | 106   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.387 | 2.0  | 104   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.173 | 2.1  | 103   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.644 | 0.4  | 104   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.390 | 1.5  | 106   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 39.188 | 2.0  | 104   | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.216 | 2.0  | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.729 | 0.7  | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.276 | 1.8  | 105   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.152 | 2.1  | 104   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.924 | 2.7  | 105   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.064 | -0.2 | 106   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.431 | 1.4  | 105   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.266 | 1.8  | 103   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.899 | 2.8  | 103   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 39.327 | 1.7  | 105   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 39.964 | 0.1  | 106   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 113   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.350 | 1.6  | 105   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.868 | -1.1 | 105   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.506 | -1.3 | 106   | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.118 | -0.3 | 105   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.386 | -6.0 | 108   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.740 | 0.6  | 106   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.513 | 1.2  | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.760 | 0.6  | 105   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.385 | 1.5  | 105   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.601 | 1.0  | 105   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 42.537 | -6.3 | 106   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.053 | -0.1 | 106   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.770 | 0.6  | 105   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.100 | -2.8 | 109   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.180 | -0.4 | 106   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.989 | 0.0  | 106   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 117   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.567 | 3.6  | 106   | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.470 | 1.3  | 110   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 80.619 | -0.8 | 107   | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 39.881 | 0.3  | 107   | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.479 | 1.3  | 106   | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 77.157 | 3.6  | 106   | 0.00     |

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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 | 39.001 | 2.5  | 106   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.847 | 2.9  | 106   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 41.856 | -4.6 | 108   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.057 | 2.4  | 106   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.424 | 1.4  | 106   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 42.494 | -6.2 | 109   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 39.442 | 1.4  | 106   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 41.370 | -3.4 | 108   | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 39.548 | 1.1  | 113   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.582 | 3.5  | 105   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 42.145 | -5.4 | 110   | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 42.995 | -7.5 | 111   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.040 | 2.4  | 106   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.078 | 2.3  | 103   | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.357 | 1.6  | 106   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 39.470 | 1.3  | 107   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 39.606 | 1.0  | 106   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 39.317 | 1.7  | 107   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 115   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.838 | -2.1 | 114   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 39.617 | 1.0  | 107   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 40.044 | -0.1 | 108   | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 39.067 | 2.3  | 106   | 0.00     |
| 68   | Atrazine                   | 40.000 | 39.600 | 1.0  | 104   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 42.178 | -5.4 | 108   | 0.00     |
| 70   | Phenanthrene               | 40.000 | 39.096 | 2.3  | 106   | 0.00     |
| 71   | Anthracene                 | 40.000 | 39.656 | 0.9  | 106   | 0.00     |
| 72   | Carbazole                  | 40.000 | 39.237 | 1.9  | 105   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.372 | -0.9 | 108   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 39.450 | 1.4  | 106   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 114   | 0.00     |
| 76   | Benzidine                  | 40.000 | 38.617 | 3.5  | 100   | 0.00     |
| 77   | Pyrene                     | 40.000 | 39.477 | 1.3  | 106   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 77.971 | 2.5  | 105   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.656 | 0.9  | 106   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 39.132 | 2.2  | 105   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 39.006 | 2.5  | 105   | 0.00     |
| 82   | Chrysene                   | 40.000 | 39.000 | 2.5  | 105   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.280 | 1.8  | 105   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 39.808 | 0.5  | 106   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.241 | -0.6 | 108   | -0.02    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 114   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 40.308 | -0.8 | 107   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 38.909 | 2.7  | 104   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 39.498 | 1.3  | 106   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.106 | 2.2  | 103   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 39.258 | 1.9  | 103   | 0.00     |

(#) = Out of Range

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