

Data Path : Z:\HPCHEM1\BNA G\Data\BG041118\  
 Data File : BG033765.D  
 Acq On : 12 Apr 2018 4:11  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 12 07:23:38 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 10 16:51:36 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 | 41.584 | -4.0  | 116   | 0.00     |
| 3    | Pyridine                     | 40.000 | 41.442 | -3.6  | 104   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 44.411 | -11.0 | 122   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 88.495 | -10.6 | 113   | 0.00     |
| 6    | Aniline                      | 40.000 | 43.336 | -8.3  | 111   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 83.386 | -4.2  | 112   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 42.443 | -6.1  | 108   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 32.839 | 17.9  | 93    | 0.00     |
| 10 C | Phenol                       | 40.000 | 42.426 | -6.1  | 111   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 41.204 | -3.0  | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.922 | 2.7   | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 36.665 | 8.3   | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 40.440 | -1.1  | 107   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.675 | -6.7  | 110   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 43.270 | -8.2  | 117   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 42.004 | -5.0  | 113   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 41.537 | -3.8  | 114   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.854 | -7.1  | 109   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.831 | -7.1  | 110   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 110   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.435 | 1.4   | 101   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.219 | 2.2   | 104   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.191 | 2.0   | 104   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.911 | 0.2   | 106   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.363 | -0.9  | 102   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.353 | -0.9  | 113   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.720 | 3.2   | 102   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.759 | -1.9  | 107   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.080 | 4.8   | 103   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.828 | 2.9   | 105   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 33.602 | 16.0  | 103   | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 37.945 | 5.1   | 100   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 35.946 | 10.1  | 100   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.990 | -2.5  | 108   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.773 | 0.6   | 102   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.237 | 4.4   | 106   | 0.00     |
| 38 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 36.879 | 7.8   | 98    | 0.00     |
| 40 P | Hexachlorocyclopentadiene    | 40.000 | 39.849 | 0.4   | 104   | 0.00     |
| 41 S | 2,4,6-Tribromophenol         | 80.000 | 74.531 | 6.8   | 97    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol        | 40.000 | 37.943 | 5.1   | 96    | 0.00     |
| 43   | 2,4,5-Trichlorophenol        | 40.000 | 39.205 | 2.0   | 96    | 0.00     |
| 44 S | 2-Fluorobiphenyl             | 80.000 | 76.711 | 4.1   | 101   | 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 | 38.370 | 4.1   | 101   | 0.00     |
| 46   | 2-Chloronaphthalene        | 40.000 | 38.659 | 3.4   | 102   | 0.00     |
| 47   | 2-Nitroaniline             | 40.000 | 42.895 | -7.2  | 110   | 0.00     |
| 48   | Acenaphthylene             | 40.000 | 39.014 | 2.5   | 103   | 0.00     |
| 49   | Dimethylphthalate          | 40.000 | 39.318 | 1.7   | 104   | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 40.000 | 40.612 | -1.5  | 103   | 0.00     |
| 51 C | Acenaphthene               | 40.000 | 40.752 | -1.9  | 106   | 0.00     |
| 52   | 3-Nitroaniline             | 40.000 | 37.656 | 5.9   | 98    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 40.000 | 44.050 | -10.1 | 122   | 0.00     |
| 54   | Dibenzofuran               | 40.000 | 38.784 | 3.0   | 103   | 0.00     |
| 55 P | 4-Nitrophenol              | 40.000 | 37.778 | 5.6   | 97    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 40.000 | 40.086 | -0.2  | 105   | 0.00     |
| 57   | Fluorene                   | 40.000 | 39.073 | 2.3   | 105   | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.982 | 10.0  | 92    | 0.00     |
| 59   | Diethylphthalate           | 40.000 | 39.711 | 0.7   | 106   | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 40.000 | 37.662 | 5.8   | 102   | 0.00     |
| 61   | 4-Nitroaniline             | 40.000 | 40.922 | -2.3  | 107   | 0.00     |
| 62   | Azobenzene                 | 40.000 | 40.035 | -0.1  | 106   | 0.00     |
| 63 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.655 | 0.9   | 104   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 40.000 | 38.107 | 4.7   | 105   | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 40.000 | 36.061 | 9.8   | 98    | 0.00     |
| 67   | Hexachlorobenzene          | 40.000 | 37.377 | 6.6   | 104   | 0.00     |
| 68   | Atrazine                   | 40.000 | 36.720 | 8.2   | 100   | 0.00     |
| 69 C | Pentachlorophenol          | 40.000 | 32.265 | 19.3  | 88    | 0.00     |
| 70   | Phenanthrene               | 40.000 | 37.673 | 5.8   | 104   | 0.00     |
| 71   | Anthracene                 | 40.000 | 38.830 | 2.9   | 107   | 0.00     |
| 72   | Carbazole                  | 40.000 | 38.998 | 2.5   | 106   | 0.00     |
| 73   | Di-n-butylphthalate        | 40.000 | 40.325 | -0.8  | 110   | 0.00     |
| 74 C | Fluoranthene               | 40.000 | 38.740 | 3.1   | 107   | 0.00     |
| 75 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 114   | 0.00     |
| 76   | Benzidine                  | 40.000 | 36.131 | 9.7   | 94    | 0.00     |
| 77   | Pyrene                     | 40.000 | 37.832 | 5.4   | 106   | 0.00     |
| 78 S | Terphenyl-d14              | 80.000 | 74.648 | 6.7   | 106   | 0.00     |
| 79   | Butylbenzylphthalate       | 40.000 | 39.820 | 0.4   | 111   | 0.00     |
| 80   | Benzo(a)anthracene         | 40.000 | 38.098 | 4.8   | 108   | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 40.000 | 40.013 | -0.0  | 108   | 0.00     |
| 82   | Chrysene                   | 40.000 | 38.401 | 4.0   | 109   | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.517 | -3.8  | 115   | 0.00     |
| 84 c | Di-n-octyl phthalate       | 40.000 | 43.660 | -9.1  | 120   | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.800 | -2.0  | 113   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 120   | 0.00     |
| 87   | Benzo(b)fluoranthene       | 40.000 | 37.284 | 6.8   | 110   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 40.000 | 37.435 | 6.4  | 110   | 0.00     |
| 89 C | Benzo(a)pyrene         | 40.000 | 37.877 | 5.3  | 111   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 40.000 | 39.880 | 0.3  | 114   | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 40.000 | 38.691 | 3.3  | 112   | 0.00     |

(#) = Out of Range

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