

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG102918\  
 Data File : BG037627.D  
 Acq On : 29 Oct 2018 17:51  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 29 18:29:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 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   | 101   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.619 | 3.5   | 101   | 0.00     |
| 3    | Pyridine                     | 40.000 | 38.591 | 3.5   | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 40.954 | -2.4  | 106   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.779 | -1.0  | 103   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.253 | -0.6  | 103   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.245 | -0.3  | 102   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.312 | -0.8  | 103   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 36.486 | 8.8   | 93    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.302 | -0.8  | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.970 | 0.1   | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.451 | 1.4   | 102   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.419 | 1.5   | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.276 | 1.8   | 101   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.713 | -1.8  | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.854 | -2.1  | 105   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.471 | -1.2  | 101   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.248 | -0.6  | 103   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.104 | -0.3  | 100   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.732 | -1.8  | 103   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 101   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.191 | 2.0   | 99    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.220 | -2.8  | 104   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.519 | -1.3  | 101   | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.742 | -1.9  | 100   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 45.320 | -13.3 | 111   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.398 | -1.0  | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.029 | -0.1  | 100   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.644 | -1.6  | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.824 | 0.4   | 102   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.700 | 0.7   | 102   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 47.771 | -19.4 | 117   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 40.284 | -0.7  | 100   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.590 | 1.0   | 99    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.539 | 1.2   | 96    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.166 | -0.4  | 100   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.754 | 0.6   | 100   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.329 | 1.7   | 100   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 101   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.834 | 0.4   | 101   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 40.095 | -0.2  | 98    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 80.764 | -1.0  | 97    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 41.696 | -4.2  | 102   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.475 | -1.2  | 99    | 0.00     |

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

|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 78.490 | 1.9  | 100   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 39.156 | 2.1  | 100   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.603 | 1.0  | 100   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.603 | -6.5 | 105   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.686 | 0.8  | 99    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.279 | 1.8  | 98    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.176 | -2.9 | 100   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.169 | 2.1  | 100   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.454 | -3.6 | 100   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.911 | -4.8 | 109   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.418 | 4.0  | 98    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.314 | -0.8 | 98    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.955 | -7.4 | 102   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.642 | 3.4  | 99    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.973 | 0.1  | 99    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.630 | 0.9  | 100   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.022 | 2.4  | 99    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.785 | -2.0 | 98    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.078 | 2.3  | 100   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.281 | -3.2 | 111   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.338 | 1.7  | 98    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.102 | 2.2  | 98    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.772 | 3.1  | 97    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.488 | 3.8  | 94    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.852 | 2.9  | 94    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.582 | 3.5  | 98    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.100 | 2.2  | 98    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.261 | 1.8  | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.347 | -0.9 | 99    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.946 | 2.6  | 98    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 77   | Benzidine                  | 40.000 | 39.306 | 1.7  | 95    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.864 | 0.3  | 99    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.437 | 2.0  | 98    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.606 | -6.5 | 102   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.805 | 0.5  | 99    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.926 | 0.2  | 96    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.529 | 1.2  | 98    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.762 | -6.9 | 102   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.913 | -7.3 | 102   | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.210 | 2.0  | 95    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 99    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.007 | -0.0 | 98    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.927 | 0.2  | 98    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.209 | -0.5 | 98    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 37.264 | 6.8  | 90    | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 37.159 | 7.1  | 91    | -0.03    |

(#) = Out of Range

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