

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031119\  
 Data File : BG039855.D  
 Acq On : 12 Mar 2019 1:03  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 12 01:42:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 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  | 100   | -0.02    |
| 2    | 1,4-Dioxane                  | 40.000 | 40.995 | -2.5 | 108   | -0.02    |
| 3    | Pyridine                     | 40.000 | 43.233 | -8.1 | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 41.261 | -3.2 | 101   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 84.896 | -6.1 | 105   | -0.02    |
| 6    | Aniline                      | 40.000 | 39.239 | 1.9  | 98    | -0.02    |
| 7 S  | Phenol-d6                    | 80.000 | 81.442 | -1.8 | 100   | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 40.155 | -0.4 | 100   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.990 | 5.0  | 94    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.864 | -2.2 | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.688 | 3.3  | 98    | -0.02    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.451 | 1.4  | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.146 | 2.1  | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.386 | 4.0  | 97    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 41.001 | -2.5 | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.620 | 3.5  | 97    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.575 | -1.4 | 99    | -0.02    |
| 18   | Hexachloroethane             | 40.000 | 38.505 | 3.7  | 99    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.509 | 3.7  | 93    | -0.02    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.189 | -0.5 | 98    | -0.02    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 99    | -0.02    |
| 22   | Acetophenone                 | 40.000 | 38.821 | 2.9  | 94    | -0.02    |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.941 | -1.2 | 98    | -0.02    |
| 24   | Nitrobenzene                 | 40.000 | 40.093 | -0.2 | 98    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.197 | 2.0  | 95    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.164 | -5.4 | 99    | -0.02    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.296 | -3.2 | 99    | -0.02    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.143 | 4.6  | 92    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.368 | -3.4 | 98    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.285 | 1.8  | 98    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.102 | 2.2  | 96    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.902 | 5.2  | 97    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 41.105 | -2.8 | 98    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.891 | 2.8  | 96    | -0.02    |
| 35   | Caprolactam                  | 40.000 | 41.585 | -4.0 | 99    | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.703 | -4.3 | 99    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.841 | 0.4  | 97    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.235 | 1.9  | 95    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.650 | 3.4  | 97    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 35.307 | 11.7 | 87    | -0.02    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 83.612 | -4.5 | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 41.620 | -4.0 | 100   | -0.02    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.964 | -2.4 | 96    | 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 | 76.454 | 4.4  | 96    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.996 | 2.5  | 97    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.062 | 2.3  | 98    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.911 | -7.3 | 102   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.588 | 1.0  | 97    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.754 | 3.1  | 95    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.616 | -4.0 | 98    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.142 | 2.1  | 97    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.807 | -2.0 | 97    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 32.388 | 19.0 | 78    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.905 | 2.7  | 96    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.245 | 1.9  | 94    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.174 | -5.4 | 99    | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.493 | 1.3  | 98    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.604 | -4.0 | 99    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.639 | 0.9  | 96    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.804 | 3.0  | 96    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.434 | -6.1 | 99    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.737 | 0.7  | 98    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 99    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.724 | 3.2  | 95    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.958 | 0.1  | 97    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.084 | -0.2 | 99    | -0.02    |
| 68   | Hexachlorobenzene          | 40.000 | 39.424 | 1.4  | 98    | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.936 | 0.2  | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.531 | 3.7  | 93    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.837 | 2.9  | 96    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.719 | 0.7  | 98    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.882 | 0.3  | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.600 | -1.5 | 100   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.886 | 0.3  | 100   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 106   | 0.00     |
| 77   | Benzidine                  | 40.000 | 40.943 | -2.4 | 98    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.538 | 3.7  | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 75.498 | 5.6  | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.941 | -2.4 | 104   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.653 | 3.4  | 102   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.712 | 0.7  | 101   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.725 | 3.2  | 103   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.798 | -2.0 | 104   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.269 | -3.2 | 103   | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.019 | 2.5  | 101   | -0.02    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 103   | -0.02    |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.144 | 2.1  | 102   | -0.02    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.089 | 2.3  | 102   | -0.02    |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.159 | -0.4 | 103   | -0.02    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.813 | 3.0  | 102   | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 38.846 | 2.9  | 100   | -0.02    |

(#) = Out of Range

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