

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\  
 Data File : BG044212.D  
 Acq On : 27 Jan 2020 12:45  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 28 00:38:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 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   | 66    | -0.04    |
| 2    | 1,4-Dioxane                  | 40.000 | 38.877 | 2.8   | 63    | -0.04    |
| 3    | Pyridine                     | 40.000 | 39.432 | 1.4   | 63    | -0.03    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 34.410 | 14.0  | 57    | -0.04    |
| 5 S  | 2-Fluorophenol               | 80.000 | 82.203 | -2.8  | 65    | -0.03    |
| 6    | Aniline                      | 40.000 | 39.782 | 0.5   | 65    | -0.04    |
| 7 S  | Phenol-d6                    | 80.000 | 84.758 | -5.9  | 68    | -0.02    |
| 8    | 2-Chlorophenol               | 40.000 | 41.408 | -3.5  | 67    | -0.04    |
| 9    | Benzaldehyde                 | 40.000 | 33.662 | 15.8  | 58    | -0.03    |
| 10 C | Phenol                       | 40.000 | 42.201 | -5.5  | 69    | -0.02    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.386 | 1.5   | 64    | -0.04    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.757 | -4.4  | 68    | -0.04    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.150 | -5.4  | 68    | -0.04    |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.935 | -4.8  | 68    | -0.04    |
| 15   | Benzyl Alcohol               | 40.000 | 38.872 | 2.8   | 63    | -0.03    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.501 | 11.2  | 59    | -0.04    |
| 17   | 2-Methylphenol               | 40.000 | 41.231 | -3.1  | 68    | -0.03    |
| 18   | Hexachloroethane             | 40.000 | 40.360 | -0.9  | 66    | -0.04    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.050 | 4.9   | 62    | -0.04    |
| 20   | 3+4-Methylphenols            | 40.000 | 41.792 | -4.5  | 68    | -0.03    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 66    | -0.04    |
| 22   | Acetophenone                 | 40.000 | 39.461 | 1.3   | 65    | -0.03    |
| 23 S | Nitrobenzene-d5              | 80.000 | 75.739 | 5.3   | 65    | -0.04    |
| 24   | Nitrobenzene                 | 40.000 | 37.918 | 5.2   | 64    | -0.04    |
| 25   | Isophorone                   | 40.000 | 38.495 | 3.8   | 64    | -0.04    |
| 26 C | 2-Nitrophenol                | 40.000 | 43.551 | -8.9  | 74    | -0.03    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 41.130 | -2.8  | 70    | -0.03    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.563 | 3.6   | 64    | -0.04    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.064 | -7.7  | 72    | -0.02    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 41.659 | -4.1  | 70    | -0.04    |
| 31   | Naphthalene                  | 40.000 | 42.728 | -6.8  | 70    | -0.03    |
| 32   | Benzoic acid                 | 40.000 | 28.767 | 28.1# | 53    | -0.02    |
| 33   | 4-Chloroaniline              | 40.000 | 40.141 | -0.4  | 66    | -0.03    |
| 34 C | Hexachlorobutadiene          | 40.000 | 41.920 | -4.8  | 71    | -0.04    |
| 35   | Caprolactam                  | 40.000 | 40.053 | -0.1  | 67    | -0.03    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.622 | -4.1  | 69    | -0.02    |
| 37   | 2-Methylnaphthalene          | 40.000 | 42.800 | -7.0  | 71    | -0.04    |
| 38   | 1-Methylnaphthalene          | 40.000 | 42.603 | -6.5  | 71    | -0.03    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 67    | -0.03    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 44.080 | -10.2 | 74    | -0.03    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 35.202 | 12.0  | 59    | -0.04    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 94.042 | -17.6 | 77    | -0.03    |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 41.737 | -4.3  | 70    | -0.03    |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 41.728 | -4.3  | 70    | -0.02    |

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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 | 92.902 | -16.1 | 73    | -0.04    |
| 46   | 1,1'-Biphenyl              | 40.000 | 43.226 | -8.1  | 70    | -0.03    |
| 47   | 2-Chloronaphthalene        | 40.000 | 42.305 | -5.8  | 70    | -0.03    |
| 48   | 2-Nitroaniline             | 40.000 | 38.106 | 4.7   | 64    | -0.02    |
| 49   | Acenaphthylene             | 40.000 | 43.737 | -9.3  | 71    | -0.03    |
| 50   | Dimethylphthalate          | 40.000 | 41.317 | -3.3  | 67    | -0.03    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.639 | -4.1  | 70    | -0.03    |
| 52 C | Acenaphthene               | 40.000 | 40.253 | -0.6  | 67    | -0.03    |
| 53   | 3-Nitroaniline             | 40.000 | 39.481 | 1.3   | 65    | -0.03    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.045 | -0.1  | 71    | -0.02    |
| 55   | Dibenzofuran               | 40.000 | 44.023 | -10.1 | 71    | -0.02    |
| 56 P | 4-Nitrophenol              | 40.000 | 38.378 | 4.1   | 62    | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.991 | -5.0  | 69    | -0.02    |
| 58   | Fluorene                   | 40.000 | 43.636 | -9.1  | 71    | -0.03    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.201 | -5.5  | 69    | -0.02    |
| 60   | Diethylphthalate           | 40.000 | 41.636 | -4.1  | 67    | -0.04    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.422 | -6.1  | 71    | -0.03    |
| 62   | 4-Nitroaniline             | 40.000 | 39.786 | 0.5   | 65    | -0.02    |
| 63   | Azobenzene                 | 40.000 | 39.852 | 0.4   | 65    | -0.03    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 67    | -0.02    |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.729 | -11.8 | 81    | -0.02    |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.782 | -4.5  | 71    | -0.03    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.586 | -6.5  | 73    | -0.03    |
| 68   | Hexachlorobenzene          | 40.000 | 43.333 | -8.3  | 74    | -0.03    |
| 69   | Atrazine                   | 40.000 | 32.617 | 18.5  | 52    | -0.02    |
| 70 C | Pentachlorophenol          | 40.000 | 35.435 | 11.4  | 58    | -0.02    |
| 71   | Phenanthrene               | 40.000 | 43.728 | -9.3  | 71    | -0.03    |
| 72   | Anthracene                 | 40.000 | 43.672 | -9.2  | 71    | -0.02    |
| 73   | Carbazole                  | 40.000 | 43.654 | -9.1  | 71    | -0.02    |
| 74   | Di-n-butylphthalate        | 40.000 | 41.420 | -3.6  | 68    | -0.03    |
| 75 C | Fluoranthene               | 40.000 | 44.238 | -10.6 | 74    | -0.02    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 71    | -0.03    |
| 77   | Benzidine                  | 40.000 | 44.693 | -11.7 | 71    | -0.02    |
| 78   | Pyrene                     | 40.000 | 41.154 | -2.9  | 74    | -0.02    |
| 79 S | Terphenyl-d14              | 80.000 | 90.866 | -13.6 | 78    | -0.03    |
| 80   | Butylbenzylphthalate       | 40.000 | 39.361 | 1.6   | 69    | -0.03    |
| 81   | Benzo(a)anthracene         | 40.000 | 42.005 | -5.0  | 73    | -0.03    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.774 | 0.6   | 69    | -0.03    |
| 83   | Chrysene                   | 40.000 | 42.624 | -6.6  | 75    | -0.03    |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.196 | 2.0   | 69    | -0.04    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.653 | -1.6  | 70    | -0.05    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.323 | -3.3  | 74    | -0.08    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 71    | -0.05    |

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| 88   | Benzo(b)fluoranthene   | 40.000 | 41.527 | -3.8 | 75    | -0.05    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.772 | -4.4 | 73    | -0.04    |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.377 | -3.4 | 73    | -0.05    |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.452 | -1.1 | 73    | -0.08    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 41.498 | -3.7 | 75    | -0.08    |

(#) = Out of Range

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