

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\  
 Data File : BG042590.D  
 Acq On : 30 Aug 2019 8:22  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 30 16:21:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 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  | 80    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 35.239 | 11.9 | 70    | 0.00     |
| 3    | Pyridine                     | 40.000 | 36.038 | 9.9  | 69    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.382 | 1.5  | 80    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.435 | 4.5  | 75    | 0.00     |
| 6    | Aniline                      | 40.000 | 37.147 | 7.1  | 74    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 76.562 | 4.3  | 75    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.409 | 4.0  | 76    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 40.048 | -0.1 | 95    | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.013 | 5.0  | 75    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.508 | 8.7  | 72    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.590 | 1.0  | 79    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.015 | 2.5  | 77    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.447 | 1.4  | 79    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.851 | 2.9  | 77    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 35.657 | 10.9 | 71    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 37.906 | 5.2  | 76    | -0.01    |
| 18   | Hexachloroethane             | 40.000 | 38.318 | 4.2  | 77    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.763 | 10.6 | 71    | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 37.448 | 6.4  | 75    | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 78    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.701 | 0.7  | 77    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.105 | 1.1  | 76    | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 39.136 | 2.2  | 76    | 0.00     |
| 25   | Isophorone                   | 40.000 | 37.901 | 5.2  | 72    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 40.094 | -0.2 | 79    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.317 | 1.7  | 75    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.291 | 4.3  | 73    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 41.407 | -3.5 | 79    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 42.334 | -5.8 | 82    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 40.021 | -0.1 | 77    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 35.736 | 10.7 | 73    | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 39.624 | 0.9  | 75    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.934 | -7.3 | 84    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 36.578 | 8.6  | 68    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.088 | 2.3  | 74    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 40.133 | -0.3 | 76    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.204 | -0.5 | 76    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 77    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 42.700 | -6.8 | 82    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 40.835 | -2.1 | 81    | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 81.847 | -2.3 | 76    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.627 | -1.6 | 78    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.839 | -2.1 | 78    | -0.01    |

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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 | 84.647 | -5.8 | 79    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 40.191 | -0.5 | 76    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 40.652 | -1.6 | 77    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 39.234 | 1.9  | 74    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.403 | -1.0 | 75    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.854 | 0.4  | 73    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.447 | 1.4  | 73    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.488 | 1.3  | 74    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.763 | 3.1  | 72    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 34.135 | 14.7 | 65    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 41.131 | -2.8 | 76    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 36.594 | 8.5  | 68    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.620 | 1.0  | 73    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.740 | -1.9 | 75    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.667 | -4.2 | 78    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.493 | 1.3  | 72    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.258 | -3.1 | 77    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.316 | 4.2  | 70    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.776 | 5.6  | 71    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 75    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.361 | 6.6  | 68    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.908 | -2.3 | 74    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.868 | -4.7 | 77    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.579 | -3.9 | 76    | 0.00     |
| 69   | Atrazine                   | 40.000 | 34.366 | 14.1 | 65    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.540 | 3.7  | 69    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.417 | -3.5 | 74    | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.745 | -4.4 | 74    | -0.01    |
| 73   | Carbazole                  | 40.000 | 40.169 | -0.4 | 71    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.430 | -1.1 | 71    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 42.208 | -5.5 | 74    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 75    | 0.00     |
| 77   | Benzidine                  | 40.000 | 34.298 | 14.3 | 73    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.203 | -3.0 | 73    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.808 | -3.5 | 75    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.894 | 2.8  | 70    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.575 | -3.9 | 74    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.082 | -2.7 | 75    | -0.01    |
| 83   | Chrysene                   | 40.000 | 41.225 | -3.1 | 73    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.934 | 0.2  | 72    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.986 | 0.0  | 72    | -0.02    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.338 | -0.8 | 74    | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 75    | -0.01    |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 41.487 | -3.7 | 73    | -0.01    |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.764 | -4.4 | 75    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.756 | -4.4 | 74    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 41.051 | -2.6 | 74    | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 40.463 | -1.2 | 74    | -0.02    |

(#) = Out of Range

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