

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\  
 Data File : BP001530.D  
 Acq On : 06 Jan 2020 15:15  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 06 16:47:07 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 06 16:38:29 2020  
 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    | 44    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.251 | 9.4    | 40    | 0.00     |
| 3    | Pyridine                     | 40.000 | 31.242 | 21.9   | 35    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 47.276 | -18.2  | 53    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 71.073 | 11.2   | 40    | 0.00     |
| 6    | Aniline                      | 40.000 | 35.831 | 10.4   | 40    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 74.388 | 7.0    | 41    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 36.623 | 8.4    | 41    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 35.287 | 11.8   | 42    | 0.00     |
| 10 C | Phenol                       | 40.000 | 35.850 | 10.4   | 40    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 36.746 | 8.1    | 41    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.185 | 2.0    | 44    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.864 | 0.3    | 45    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.764 | 3.1    | 44    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.623 | -1.6   | 46    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 45.621 | -14.1  | 51    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 36.789 | 8.0    | 41    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.718 | -1.8   | 46    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.850 | -2.1   | 45    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 37.414 | 6.5    | 42    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 45    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 37.515 | 6.2    | 44    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 86.290 | -7.9   | 50    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.238 | -3.1   | 48    | 0.00     |
| 25   | Isophorone                   | 40.000 | 37.103 | 7.2    | 44    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.387 | -11.0  | 52    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 36.151 | 9.6    | 42    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 36.872 | 7.8    | 43    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.994 | -2.5   | 48    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.385 | -8.5   | 51    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.658 | 3.4    | 45    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 45.551 | -13.9  | 57    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.672 | 3.3    | 45    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 48.009 | -20.0# | 57    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 37.300 | 6.8    | 43    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.385 | -3.5   | 49    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.490 | -3.7   | 49    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 41.587 | -4.0   | 49    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 55    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 40.689 | -1.7   | 57    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 43.313 | -8.3   | 61    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 97.321 | -21.7  | 70    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.594 | -1.5   | 58    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.914 | -2.3   | 58    | 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 | 78.175 | 2.3    | 55    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 37.234 | 6.9    | 53    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 37.372 | 6.6    | 53    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 45.048 | -12.6  | 64    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 36.828 | 7.9    | 52    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.291 | 4.3    | 55    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.775 | -1.9   | 58    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 36.819 | 8.0    | 51    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 37.294 | 6.8    | 52    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 56.520 | -41.3# | 93    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.654 | 0.9    | 56    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.705 | -1.8   | 58    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.097 | -10.2  | 62    | 0.00     |
| 58   | Fluorene                   | 40.000 | 42.082 | -5.2   | 60    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 46.868 | -17.2  | 68    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.314 | 1.7    | 56    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 44.990 | -12.5  | 63    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.197 | -5.5   | 60    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.118 | -0.3   | 58    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 62    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 51.233 | -28.1# | 91    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 36.675 | 8.3    | 58    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.798 | -2.0   | 64    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.804 | -2.0   | 64    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.939 | 2.7    | 62    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 45.878 | -14.7  | 74    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.084 | 2.3    | 62    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.487 | 3.8    | 61    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.336 | 4.2    | 61    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 35.949 | 10.1   | 57    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.523 | -1.3   | 64    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 60    | 0.00     |
| 77   | Benzidine                  | 40.000 | 54.863 | -37.2# | 66    | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.140 | -5.4   | 64    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 88.843 | -11.1  | 68    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 36.287 | 9.3    | 56    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.018 | 2.5    | 60    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.572 | -3.9   | 62    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.391 | 1.5    | 60    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 33.592 | 16.0   | 51    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 32.356 | 19.1   | 49    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.734 | 15.7   | 53    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 52    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.675 | 0.8  | 54    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 40.935 | -2.3 | 54    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.018 | -0.0 | 53    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 39.648 | 0.9  | 53    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 38.661 | 3.3  | 53    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1