

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092519\  
 Data File : BP000405.D  
 Acq On : 25 Sep 2019 13:14  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 25 23:27:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 19 14:44:51 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   | 74    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 42.499 | -6.2  | 74    | -0.04    |
| 3    | Pyridine                     | 40.000 | 42.338 | -5.8  | 74    | -0.04    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.154 | -5.4  | 75    | -0.04    |
| 5 S  | 2-Fluorophenol               | 80.000 | 87.921 | -9.9  | 75    | 0.00     |
| 6    | Aniline                      | 40.000 | 43.217 | -8.0  | 75    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 88.099 | -10.1 | 76    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 43.733 | -9.3  | 76    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 44.014 | -10.0 | 77    | 0.00     |
| 10 C | Phenol                       | 40.000 | 44.478 | -11.2 | 76    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.003 | -5.0  | 74    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 43.705 | -9.3  | 76    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 44.081 | -10.2 | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 45.262 | -13.2 | 77    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.718 | -6.8  | 74    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.974 | -4.9  | 73    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.925 | -4.8  | 74    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.474 | -6.2  | 74    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.537 | -6.3  | 76    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 43.920 | -9.8  | 78    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 76    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 45.141 | -12.9 | 79    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 88.113 | -10.1 | 78    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 43.814 | -9.5  | 78    | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.880 | -4.7  | 76    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 43.584 | -9.0  | 79    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.017 | -5.0  | 74    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 42.679 | -6.7  | 76    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.427 | -8.6  | 77    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 43.905 | -9.8  | 78    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 44.736 | -11.8 | 77    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.003 | 5.0   | 66    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 43.657 | -9.1  | 78    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 43.567 | -8.9  | 77    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 43.719 | -9.3  | 80    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.494 | -6.2  | 76    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 44.610 | -11.5 | 78    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 44.786 | -12.0 | 78    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 78    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 44.215 | -10.5 | 80    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 29.088 | 27.3# | 53    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 85.882 | -7.4  | 79    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 42.155 | -5.4  | 78    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 42.835 | -7.1  | 79    | 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 | 91.938 | -14.9 | 81    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 44.763 | -11.9 | 80    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 44.249 | -10.6 | 79    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 44.377 | -10.9 | 82    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 44.900 | -12.2 | 80    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 43.885 | -9.7  | 80    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 44.662 | -11.7 | 82    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 43.988 | -10.0 | 79    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 45.217 | -13.0 | 84    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.172 | 9.6   | 70    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 45.813 | -14.5 | 82    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.888 | -4.7  | 76    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 45.990 | -15.0 | 84    | 0.00     |
| 58   | Fluorene                   | 40.000 | 45.295 | -13.2 | 84    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.376 | -8.4  | 79    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 44.434 | -11.1 | 81    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 45.676 | -14.2 | 82    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 48.006 | -20.0 | 89    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 44.573 | -11.4 | 81    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 83    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.663 | 0.8   | 80    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 43.170 | -7.9  | 83    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.921 | -4.8  | 82    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 42.258 | -5.6  | 82    | 0.00     |
| 69   | Atrazine                   | 40.000 | 31.860 | 20.4  | 73    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.600 | 16.0  | 65    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 44.769 | -11.9 | 85    | 0.00     |
| 72   | Anthracene                 | 40.000 | 43.808 | -9.5  | 85    | 0.00     |
| 73   | Carbazole                  | 40.000 | 45.726 | -14.3 | 87    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.668 | -6.7  | 83    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 46.869 | -17.2 | 88    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 93    | 0.00     |
| 77   | Benzidine                  | 40.000 | 35.635 | 10.9  | 80    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.421 | -3.6  | 90    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 84.102 | -5.1  | 91    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.993 | 2.5   | 85    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 43.274 | -8.2  | 93    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.125 | -2.8  | 88    | 0.00     |
| 83   | Chrysene                   | 40.000 | 43.114 | -7.8  | 93    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.783 | -2.0  | 87    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.657 | 0.9   | 84    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.896 | -2.2  | 92    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 91    | 0.00     |

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|------|------------------------|--------|--------|-------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 41.681 | -4.2  | 85    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 46.454 | -16.1 | 101   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 42.877 | -7.2  | 92    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 43.611 | -9.0  | 92    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 42.713 | -6.8  | 92    | 0.00     |

(#) = Out of Range

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