

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012820\  
 Data File : BP001700.D  
 Acq On : 28 Jan 2020 11:34  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 28 22:20:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 24 22:23:46 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    | 75    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 48.136 | -20.3  | 96    | 0.00     |
| 3    | Pyridine                     | 40.000 | 49.778 | -24.4  | 99    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 54.418 | -36.0# | 109   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 88.512 | -10.6  | 89    | 0.00     |
| 6    | Aniline                      | 40.000 | 44.311 | -10.8  | 87    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 89.261 | -11.6  | 90    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 43.127 | -7.8   | 88    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 43.798 | -9.5   | 96    | 0.00     |
| 10 C | Phenol                       | 40.000 | 44.202 | -10.5  | 88    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.158 | -5.4   | 85    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 41.076 | -2.7   | 81    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 41.295 | -3.2   | 82    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 41.077 | -2.7   | 83    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.645 | -6.6   | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 47.581 | -19.0  | 93    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 43.758 | -9.4   | 89    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 42.941 | -7.4   | 86    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 46.022 | -15.1  | 92    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.836 | -7.1   | 86    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 78    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 41.958 | -4.9   | 87    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 86.758 | -8.4   | 91    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 43.370 | -8.4   | 92    | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.855 | -7.1   | 90    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.082 | -2.7   | 87    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 42.004 | -5.0   | 88    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.723 | -4.3   | 88    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 37.985 | 5.0    | 80    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.132 | 2.2    | 82    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.976 | 0.1    | 84    | -0.01    |
| 32   | Benzoic acid                 | 40.000 | 8.086  | 79.8#  | 8     | 0.08     |
| 33   | 4-Chloroaniline              | 40.000 | 39.242 | 1.9    | 84    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.969 | 0.1    | 83    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 39.186 | 2.0    | 85    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.626 | 0.9    | 84    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.558 | 3.6    | 81    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.525 | 3.7    | 82    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 73    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.765 | -4.4   | 81    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 21.305 | 46.7#  | 40    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 70.694 | 11.6   | 70    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 35.859 | 10.4   | 71    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 35.677 | 10.8   | 70    | 0.00     |

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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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 84.350 | -5.4  | 82    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 41.463 | -3.7  | 81    | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 41.325 | -3.3  | 81    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 46.933 | -17.3 | 92    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.922 | -2.3  | 81    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.432 | 1.4   | 79    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.218 | 2.0   | 78    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.736 | 0.7   | 80    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.897 | 0.3   | 81    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 26.834 | 32.9# | 54    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.900 | 0.3   | 79    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.904 | -4.8  | 84    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.530 | 1.2   | 79    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.357 | -0.9  | 80    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 30.711 | 23.2  | 62    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.244 | 1.9   | 78    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.177 | -0.4  | 78    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.289 | 1.8   | 80    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 44.689 | -11.7 | 89    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 71    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 30.852 | 22.9  | 59    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.865 | -2.2  | 78    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.263 | -0.7  | 76    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.470 | 1.3   | 76    | 0.00     |
| 69   | Atrazine                   | 40.000 | 34.571 | 13.6  | 63    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.050 | 17.4  | 64    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.189 | -0.5  | 78    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.888 | -2.2  | 79    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.401 | 1.5   | 76    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.216 | -0.5  | 77    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 40.744 | -1.9  | 80    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 81    | 0.00     |
| 77   | Benzidine                  | 40.000 | 36.507 | 8.7   | 84    | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.299 | 6.8   | 81    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 75.227 | 6.0   | 81    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.569 | 3.6   | 83    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.515 | -1.3  | 88    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.059 | 2.4   | 86    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.255 | -0.6  | 89    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.024 | -2.6  | 89    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.651 | -9.1  | 95    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.176 | -0.4  | 91    | 0.04     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 88    | 0.02     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 41.908 | -4.8 | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.292 | -3.2 | 98    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 41.313 | -3.3 | 98    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 36.912 | 7.7  | 89    | 0.04     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 36.252 | 9.4  | 88    | 0.08     |

(#) = Out of Range

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