

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070920\  
 Data File : BP002687.D  
 Acq On : 09 Jul 2020 08:57  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 09 13:51:56 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 29 16:51:57 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  | 221   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.533 | 3.7  | 220   | 0.00     |
| 3    | Pyridine                     | 40.000 | 38.893 | 2.8  | 217   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 36.323 | 9.2  | 203   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.399 | 3.3  | 219   | 0.00     |
| 6    | Aniline                      | 40.000 | 39.641 | 0.9  | 222   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 78.077 | 2.4  | 219   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.586 | 3.5  | 219   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 42.396 | -6.0 | 236   | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.983 | 0.0  | 226   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.354 | -0.9 | 230   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.146 | 4.6  | 218   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.627 | 5.9  | 218   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.284 | 6.8  | 215   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 37.618 | 6.0  | 206   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.942 | -2.4 | 233   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.303 | 4.2  | 214   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.427 | 3.9  | 218   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 35.945 | 10.1 | 203   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 37.706 | 5.7  | 208   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 211   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 37.297 | 6.8  | 202   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.104 | 3.6  | 206   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.287 | 1.8  | 212   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.082 | 2.3  | 211   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.282 | -0.7 | 212   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.369 | -0.9 | 217   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.567 | -1.4 | 221   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.973 | 2.6  | 209   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.422 | 3.9  | 209   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.058 | 4.9  | 209   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.265 | 6.8  | 202   | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 39.081 | 2.3  | 209   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.618 | 6.0  | 204   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.140 | -0.4 | 215   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 37.868 | 5.3  | 203   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.167 | 7.1  | 202   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 37.045 | 7.4  | 202   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 199   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.828 | 2.9  | 200   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 37.188 | 7.0  | 192   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 70.676 | 11.7 | 182   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 39.554 | 1.1  | 196   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 38.922 | 2.7  | 192   | 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 | 71.067 | 11.2  | 185   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 37.642 | 5.9   | 196   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 37.865 | 5.3   | 196   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 40.231 | -0.6  | 200   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.157 | 4.6   | 194   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.084 | 7.3   | 192   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.883 | 2.8   | 199   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.730 | 5.7   | 196   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.673 | -1.7  | 203   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 32.015 | 20.0  | 158   | 0.01     |
| 55   | Dibenzofuran               | 40.000 | 36.813 | 8.0   | 191   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 38.214 | 4.5   | 193   | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.711 | 0.7   | 198   | 0.00     |
| 58   | Fluorene                   | 40.000 | 35.104 | 12.2  | 184   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.334 | 6.7   | 189   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 36.165 | 9.6   | 187   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 34.896 | 12.8  | 183   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.938 | -2.3  | 201   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.781 | 3.0   | 200   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 194   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.237 | 6.9   | 179   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.910 | 2.7   | 195   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.805 | 3.0   | 193   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 36.638 | 8.4   | 183   | 0.00     |
| 69   | Atrazine                   | 40.000 | 36.313 | 9.2   | 174   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.897 | -4.7  | 206   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.474 | 6.3   | 187   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.040 | 4.9   | 189   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.723 | 3.2   | 192   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.195 | 4.5   | 186   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.261 | 6.8   | 184   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 179   | 0.00     |
| 77   | Benzidine                  | 40.000 | 26.617 | 33.5# | 134   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.738 | -1.8  | 185   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 69.545 | 13.1  | 163   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.707 | -1.8  | 182   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.785 | 3.0   | 179   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.540 | 3.7   | 170   | 0.00     |
| 83   | Chrysene                   | 40.000 | 37.486 | 6.3   | 174   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 37.271 | 6.8   | 169   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.648 | 0.9   | 178   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 179   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.901 | 0.2   | 179   | 0.01     |

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|      | Compound               | Amount | Calc.  | %Dev | Area | % Dev(min) |
|------|------------------------|--------|--------|------|------|------------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.685 | 0.8  | 176  | 0.00       |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.529 | 1.2  | 180  | 0.00       |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.715 | 0.7  | 179  | 0.00       |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 39.109 | 2.2  | 175  | 0.01       |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 41.017 | -2.5 | 183  | 0.00       |

(#) = Out of Range

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