

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062520\  
 Data File : BP002536.D  
 Acq On : 25 Jun 2020 09:37  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 25 11:59:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 24 13:54:06 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  | 116   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.930 | 7.7  | 105   | 0.00     |
| 3    | Pyridine                     | 40.000 | 38.561 | 3.6  | 112   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.996 | -7.5 | 118   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.781 | 4.0  | 107   | 0.00     |
| 6    | Aniline                      | 40.000 | 37.779 | 5.6  | 104   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 75.638 | 5.5  | 105   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.462 | 3.8  | 106   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 43.084 | -7.7 | 116   | 0.00     |
| 10 C | Phenol                       | 40.000 | 37.992 | 5.0  | 105   | 0.01     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.112 | 7.2  | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.944 | 2.6  | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.798 | 3.0  | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.280 | 4.3  | 106   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.868 | -2.2 | 111   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.740 | 8.1  | 102   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.764 | 3.1  | 106   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.333 | 1.7  | 110   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 37.555 | 6.1  | 103   | 0.01     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.033 | 4.9  | 103   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 109   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.633 | 3.4  | 103   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 80.576 | -0.7 | 107   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.408 | -1.0 | 108   | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.629 | 0.9  | 104   | 0.01     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.658 | -6.6 | 111   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.608 | 1.0  | 105   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 37.995 | 5.0  | 101   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.657 | -1.6 | 108   | 0.01     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 40.254 | -0.6 | 107   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.381 | 4.0  | 103   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 41.630 | -4.1 | 105   | 0.05     |
| 33   | 4-Chloroaniline              | 40.000 | 39.734 | 0.7  | 104   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 42.339 | -5.8 | 115   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.251 | -3.1 | 103   | 0.03     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.380 | -1.0 | 105   | 0.01     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.741 | 3.1  | 103   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.770 | 3.1  | 103   | 0.01     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 106   | 0.01     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 41.213 | -3.0 | 108   | 0.01     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 42.384 | -6.0 | 108   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 81.940 | -2.4 | 104   | 0.01     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 41.917 | -4.8 | 107   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 41.959 | -4.9 | 106   | 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 | 73.202 | 8.5    | 101   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.696 | 3.3    | 101   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.970 | 2.6    | 102   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 43.495 | -8.7   | 108   | 0.01     |
| 49   | Acenaphthylene             | 40.000 | 38.454 | 3.9    | 99    | 0.01     |
| 50   | Dimethylphthalate          | 40.000 | 39.493 | 1.3    | 101   | 0.01     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.342 | -3.4   | 103   | 0.01     |
| 52 C | Acenaphthene               | 40.000 | 38.066 | 4.8    | 100   | 0.01     |
| 53   | 3-Nitroaniline             | 40.000 | 40.769 | -1.9   | 101   | 0.02     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 44.514 | -11.3  | 111   | 0.01     |
| 55   | Dibenzofuran               | 40.000 | 37.618 | 6.0    | 97    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.329 | 1.7    | 95    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.166 | -2.9   | 100   | 0.01     |
| 58   | Fluorene                   | 40.000 | 34.095 | 14.8   | 97    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.690 | -1.7   | 102   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.735 | 3.2    | 99    | 0.01     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 35.600 | 11.0   | 100   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.550 | -3.9   | 103   | 0.01     |
| 63   | Azobenzene                 | 40.000 | 37.916 | 5.2    | 98    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.835 | -12.1  | 107   | 0.02     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.277 | 4.3    | 98    | 0.01     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.161 | -0.4   | 101   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.228 | -0.6   | 103   | 0.01     |
| 69   | Atrazine                   | 40.000 | 37.595 | 6.0    | 93    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.749 | -4.4   | 99    | 0.01     |
| 71   | Phenanthrene               | 40.000 | 37.800 | 5.5    | 97    | 0.01     |
| 72   | Anthracene                 | 40.000 | 38.075 | 4.8    | 98    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.894 | 5.3    | 96    | 0.01     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.942 | 2.6    | 98    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.910 | 2.7    | 98    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 97    | 0.01     |
| 77   | Benzidine                  | 40.000 | 50.169 | -25.4# | 108   | 0.01     |
| 78   | Pyrene                     | 40.000 | 42.083 | -5.2   | 97    | 0.01     |
| 79 S | Terphenyl-d14              | 80.000 | 76.028 | 5.0    | 95    | 0.01     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.567 | -6.4   | 96    | 0.01     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.463 | -1.2   | 95    | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.112 | -7.8   | 95    | 0.01     |
| 83   | Chrysene                   | 40.000 | 39.532 | 1.2    | 93    | 0.02     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.340 | 4.1    | 88    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.027 | -0.1   | 92    | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 100   | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.291 | 4.3    | 93    | 0.04     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.629 | 0.9  | 93    | 0.02     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 36.234 | 9.4  | 92    | 0.02     |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.353 | 4.1  | 93    | 0.02     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 37.566 | 6.1  | 91    | 0.04     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 40.743 | -1.9 | 99    | 0.05     |

(#) = Out of Range

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