

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP072020\  
 Data File : BP002796.D  
 Acq On : 20 Jul 2020 11:02  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 20 15:27:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 13 10:54:03 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  | 82    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 39.239 | 1.9  | 83    | 0.00     |
| 3    | Pyridine                     | 40.000 | 39.213 | 2.0  | 81    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 42.540 | -6.3 | 88    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 77.889 | 2.6  | 82    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.001 | 5.0  | 79    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 76.990 | 3.8  | 81    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 37.913 | 5.2  | 80    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.027 | 7.4  | 87    | -0.01    |
| 10 C | Phenol                       | 40.000 | 38.472 | 3.8  | 81    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.451 | 6.4  | 79    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 37.461 | 6.3  | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 37.190 | 7.0  | 79    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 37.323 | 6.7  | 79    | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 40.445 | -1.1 | 82    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 36.956 | 7.6  | 78    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 37.937 | 5.2  | 78    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.017 | 2.5  | 83    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.144 | 4.6  | 79    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.443 | 3.9  | 79    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 78    | -0.01    |
| 22   | Acetophenone                 | 40.000 | 39.187 | 2.0  | 78    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.374 | -1.7 | 80    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 40.377 | -0.9 | 80    | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.012 | -0.0 | 79    | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 41.705 | -4.3 | 80    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.204 | 2.0  | 78    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.660 | 3.4  | 77    | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.793 | 0.5  | 78    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.468 | 3.8  | 77    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 37.879 | 5.3  | 76    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 34.301 | 14.2 | 72    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 38.895 | 2.8  | 77    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.435 | 1.4  | 79    | -0.01    |
| 35   | Caprolactam                  | 40.000 | 39.243 | 1.9  | 79    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.143 | 2.1  | 77    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 37.826 | 5.4  | 76    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 37.608 | 6.0  | 76    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 76    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.309 | 1.7  | 77    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 38.115 | 4.7  | 78    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 82.435 | -3.0 | 76    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.659 | -1.6 | 75    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.202 | -0.5 | 75    | 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 | 77.875 | 2.7  | 75    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.063 | 4.8  | 73    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 37.867 | 5.3  | 73    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.829 | -7.1 | 79    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.522 | 3.7  | 74    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.594 | 6.0  | 73    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.356 | 1.6  | 74    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.890 | 5.3  | 73    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 40.143 | -0.4 | 74    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.511 | 6.2  | 82    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.208 | 7.0  | 73    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.646 | 13.4 | 68    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.940 | 0.2  | 72    | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.334 | 4.2  | 73    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.896 | 5.3  | 72    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.820 | 5.4  | 73    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.061 | 4.8  | 73    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.474 | 3.8  | 75    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.089 | 2.3  | 75    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 75    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.985 | 5.0  | 74    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.377 | 4.1  | 72    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.689 | 0.8  | 75    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.615 | 1.0  | 75    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.896 | 2.8  | 71    | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 36.605 | 8.5  | 73    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.729 | 5.7  | 71    | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.971 | 5.1  | 71    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.105 | 4.7  | 71    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.893 | -2.2 | 74    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 37.489 | 6.3  | 70    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 70    | 0.00     |
| 77   | Benzidine                  | 40.000 | 40.808 | -2.0 | 69    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.683 | 3.3  | 69    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.420 | 2.0  | 70    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.760 | -6.9 | 73    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.378 | 1.6  | 69    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.964 | -7.4 | 72    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.691 | 3.3  | 69    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.572 | -3.9 | 70    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.228 | -8.1 | 74    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 75    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.630 | -1.6 | 73    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 40.777 | -1.9 | 74    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 37.413 | 6.5  | 67    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.580 | 1.1  | 72    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.866 | -2.2 | 72    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 40.626 | -1.6 | 75    | 0.00     |

(#) = Out of Range

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