

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031423\  
 Data File : BP014085.D  
 Acq On : 14 Mar 2023 16:30  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 15 04:32:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 14 04:15:47 2023  
 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   | 90    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 42.927 | -7.3  | 90    | 0.00     |
| 3    | Pyridine                    | 40.000 | 41.783 | -4.5  | 86    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 41.615 | -4.0  | 85    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 82.153 | -2.7  | 86    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.447 | 1.4   | 83    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 79.506 | 0.6   | 84    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.350 | 1.6   | 84    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.525 | 6.2   | 80    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.956 | 0.1   | 84    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 40.822 | -2.1  | 88    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.477 | -1.2  | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.371 | -0.9  | 86    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.220 | -0.5  | 87    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 39.155 | 2.1   | 82    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 46.461 | -16.2 | 103   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.218 | 2.0   | 84    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.652 | -1.6  | 86    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 40.709 | -1.8  | 88    | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 39.222 | 1.9   | 85    | -0.01    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 87    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.735 | -4.3  | 85    | -0.01    |
| 23 S | Nitrobenzene-d5             | 80.000 | 86.187 | -7.7  | 84    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 43.426 | -8.6  | 88    | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.446 | -1.1  | 82    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.926 | 0.2   | 79    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.994 | -2.5  | 83    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.827 | -4.6  | 87    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.618 | 1.0   | 82    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.009 | -0.0  | 82    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.555 | -3.9  | 86    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 31.188 | 22.0  | 66    | -0.02    |
| 33   | 4-Chloroaniline             | 40.000 | 40.009 | -0.0  | 82    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.424 | 3.9   | 78    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.110 | -0.3  | 85    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.659 | -1.6  | 84    | -0.01    |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.525 | 1.2   | 83    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.829 | 0.4   | 84    | -0.01    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 84    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.330 | -0.8  | 79    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 37.590 | 6.0   | 71    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.259 | 0.9   | 78    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.303 | -0.8  | 78    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.816 | -2.0  | 80    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 83.578 | -4.5  | 84    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 42.347 | -5.9  | 82    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 42.316 | -5.8  | 83    | 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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 46.961 | -17.4 | 88    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 42.831 | -7.1  | 84    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 41.261 | -3.2  | 85    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.474 | -6.2  | 85    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 42.407 | -6.0  | 84    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 44.311 | -10.8 | 86    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.442 | 6.4   | 79    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 43.014 | -7.5  | 84    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.202 | -5.5  | 85    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.585 | -9.0  | 85    | 0.00     |
| 58   | Fluorene                   | 40.000 | 42.655 | -6.6  | 85    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.259 | -0.6  | 80    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 42.296 | -5.7  | 87    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.964 | 0.1   | 79    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 46.618 | -16.5 | 92    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 47.209 | -18.0 | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 90    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.022 | -0.1  | 84    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.056 | -2.6  | 85    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.821 | 5.4   | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.459 | 3.9   | 80    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.074 | -0.2  | 90    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 39.941 | 0.1   | 82    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 42.205 | -5.5  | 90    | 0.00     |
| 72   | Anthracene                 | 40.000 | 42.031 | -5.1  | 89    | 0.00     |
| 73   | Carbazole                  | 40.000 | 44.114 | -10.3 | 95    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.932 | -7.3  | 94    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 44.029 | -10.1 | 96    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 77   | Benzidine                  | 40.000 | 40.324 | -0.8  | 97    | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.337 | 6.7   | 99    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 72.838 | 9.0   | 97    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.790 | 0.5   | 100   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.550 | -3.9  | 104   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.364 | -5.9  | 100   | 0.00     |
| 83   | Chrysene                   | 40.000 | 42.235 | -5.6  | 105   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.481 | -1.2  | 99    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.610 | -9.0  | 100   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 106   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.908 | -9.8  | 102   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.931 | -2.3  | 104   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 41.703 | -4.3  | 107   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 42.049 | -5.1  | 105   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.842 | -9.6  | 102   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 43.930 | -9.8  | 101   | 0.01     |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range                      SPCC's out = 0    CCC's out = 0