

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081123\  
 Data File : BF134730.D  
 Acq On : 11 Aug 2023 13:41  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 11 22:20:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 04 09:29:15 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   | 86    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 35.397 | 11.5  | 76    | 0.00     |
| 3    | Pyridine                    | 40.000 | 34.983 | 12.5  | 76    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 31.546 | 21.1  | 67    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 71.204 | 11.0  | 77    | 0.00     |
| 6    | Aniline                     | 40.000 | 34.641 | 13.4  | 75    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 71.394 | 10.8  | 78    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.321 | 6.7   | 80    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.564 | 6.1   | 83    | 0.00     |
| 10 C | Phenol                      | 40.000 | 36.697 | 8.3   | 78    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 35.842 | 10.4  | 78    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 36.889 | 7.8   | 80    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.199 | 7.0   | 80    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 36.849 | 7.9   | 80    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 35.689 | 10.8  | 76    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.510 | 13.7  | 74    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.110 | 9.7   | 78    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.852 | 5.4   | 82    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 32.799 | 18.0  | 73    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 34.473 | 13.8  | 73    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 85    | 0.00     |
| 22   | Acetophenone                | 40.000 | 35.163 | 12.1  | 76    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 85.796 | -7.2  | 86    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.441 | -1.1  | 82    | 0.00     |
| 25   | Isophorone                  | 40.000 | 36.080 | 9.8   | 78    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 47.295 | -18.2 | 107   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 36.363 | 9.1   | 78    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.438 | 8.9   | 79    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 37.833 | 5.4   | 79    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.783 | 3.0   | 82    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.649 | 5.9   | 80    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 43.311 | -8.3  | 103   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 36.998 | 7.5   | 79    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.791 | 3.0   | 82    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.625 | 0.9   | 81    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.276 | 4.3   | 81    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 37.194 | 7.0   | 80    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.436 | 6.4   | 80    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 87    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.108 | 2.2   | 85    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 31.810 | 20.5  | 64    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 86.974 | -8.7  | 89    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.526 | 1.2   | 84    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.145 | -0.4  | 84    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 76.968 | 3.8   | 83    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 37.585 | 6.0   | 81    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.156 | 4.6   | 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 | 41.574 | -3.9   | 90    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.744 | 5.6    | 82    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.592 | 3.5    | 84    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 43.564 | -8.9   | 94    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.439 | 3.9    | 83    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 45.777 | -14.4  | 89    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 55.560 | -38.9# | 150   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.555 | 6.1    | 80    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.969 | 0.1    | 84    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 46.481 | -16.2  | 100   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.154 | 4.6    | 85    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.803 | -2.0   | 85    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.360 | 4.1    | 82    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.813 | 3.0    | 86    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 44.915 | -12.3  | 88    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.007 | 10.0   | 78    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 89    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 54.039 | -35.1# | 141   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 36.880 | 7.8    | 82    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.150 | 2.1    | 87    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.975 | 2.6    | 85    | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.938 | 5.2    | 85    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.796 | -2.0   | 84    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 36.715 | 8.2    | 81    | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.420 | 6.4    | 83    | 0.00     |
| 73   | Carbazole                  | 40.000 | 36.959 | 7.6    | 82    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.866 | 2.8    | 84    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 36.603 | 8.5    | 79    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 86    | 0.00     |
| 77   | Benzydine                  | 40.000 | 32.983 | 17.5   | 64    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.222 | 4.4    | 81    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 77.736 | 2.8    | 83    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.288 | -3.2   | 82    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 35.144 | 12.1   | 74    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.065 | 2.3    | 83    | 0.00     |
| 83   | Chrysene                   | 40.000 | 36.514 | 8.7    | 78    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.596 | 8.5    | 74    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.566 | 3.6    | 78    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 84    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.624 | -9.1   | 85    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.030 | 2.4    | 82    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 36.324 | 9.2    | 72    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.323 | 4.2    | 78    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 44.335 | -10.8  | 87    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 44.157 | -10.4  | 86    | 0.02     |

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