

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050124\  
 Data File : BF137783.D  
 Acq On : 01 May 2024 10:11  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 01 10:32:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:25:08 2024  
 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   | 95    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 38.862 | 2.8   | 93    | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.429 | 1.4   | 94    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.513 | 6.2   | 90    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.605 | 3.0   | 94    | 0.00     |
| 6    | Aniline                     | 40.000 | 38.668 | 3.3   | 92    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.104 | 4.9   | 92    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.893 | 2.8   | 94    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.681 | 0.8   | 98    | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.270 | 4.3   | 93    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.905 | 5.2   | 92    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.884 | 2.8   | 94    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.835 | 2.9   | 94    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.661 | 3.3   | 93    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 39.979 | 0.1   | 93    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.523 | 3.7   | 92    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.302 | 1.7   | 94    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.726 | 0.7   | 94    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.749 | 5.6   | 91    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.045 | 2.4   | 93    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 93    | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.552 | 3.6   | 91    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 79.294 | 0.9   | 92    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.646 | 0.9   | 92    | 0.00     |
| 25   | Isophorone                  | 40.000 | 39.096 | 2.3   | 93    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 44.101 | -10.3 | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.276 | 1.8   | 92    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.595 | 3.5   | 91    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.295 | -0.7  | 94    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.940 | 0.2   | 94    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.964 | 2.6   | 92    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 44.721 | -11.8 | 102   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.844 | 5.4   | 89    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.084 | -0.2  | 95    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.279 | -0.7  | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.666 | 0.8   | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.308 | 1.7   | 93    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.080 | 2.3   | 93    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 93    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.700 | 0.7   | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 41.296 | -3.2  | 92    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.667 | 0.4   | 94    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.251 | -0.6  | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.421 | -1.1  | 92    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 77.948 | 2.6   | 94    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.681 | 0.8   | 94    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.079 | 2.3   | 93    | 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 | 41.653 | -4.1   | 94    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.421 | 1.4    | 93    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.011 | -0.0   | 94    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.725 | -4.3   | 95    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.879 | 0.3    | 94    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.464 | -1.2   | 92    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 43.639 | -9.1   | 98    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.091 | 2.3    | 92    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.458 | 1.4    | 89    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.078 | -5.2   | 95    | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.893 | 2.8    | 92    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.374 | -0.9   | 93    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.874 | 0.3    | 94    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.528 | 1.2    | 94    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.325 | 1.7    | 89    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.719 | 3.2    | 91    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 94    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.978 | -7.4   | 97    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.870 | 2.8    | 93    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.963 | 0.1    | 95    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.930 | 2.7    | 93    | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.056 | 2.4    | 93    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.788 | -2.0   | 93    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.620 | 3.5    | 93    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.471 | 3.8    | 92    | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.131 | 4.7    | 92    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.626 | -1.6   | 97    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.143 | 4.6    | 92    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 91    | 0.00     |
| 77   | Benzydine                  | 40.000 | 43.508 | -8.8   | 85    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.606 | 1.0    | 90    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.840 | 0.2    | 94    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 45.510 | -13.8  | 100   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.206 | 2.0    | 91    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.333 | -3.3   | 97    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.202 | 2.0    | 92    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.563 | -18.9  | 109   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 51.943 | -29.9# | 120   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 104   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.842 | 0.4    | 104   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.931 | 2.7    | 104   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.848 | 2.9    | 100   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.673 | 0.8    | 105   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.269 | -0.7   | 106   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 38.809 | 3.0    | 100   | 0.02     |

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(#) = Out of Range                      SPCC's out = 0    CCC's out = 1