

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050622\  
 Data File : BF128122.D  
 Acq On : 06 May 2022 13:57  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: May 06 16:08:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 05 17:56:23 2022  
 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    | 67    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.239 | 1.9    | 64    | -0.02    |
| 3    | Pyridine                    | 40.000 | 41.690 | -4.2   | 66    | -0.02    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 42.842 | -7.1   | 69    | -0.03    |
| 5 S  | 2-Fluorophenol              | 80.000 | 82.003 | -2.5   | 68    | 0.00     |
| 6    | Aniline                     | 40.000 | 42.470 | -6.2   | 67    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.767 | -4.7   | 69    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.756 | -4.4   | 68    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 35.056 | 12.4   | 66    | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.626 | -6.6   | 70    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 40.724 | -1.8   | 67    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.611 | -1.5   | 67    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 41.111 | -2.8   | 68    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 41.039 | -2.6   | 69    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 51.212 | -28.0# | 79    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.406 | -1.0   | 65    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 41.081 | -2.7   | 65    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.314 | -5.8   | 69    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 42.500 | -6.3   | 70    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.262 | -3.2   | 67    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 65    | 0.00     |
| 22   | Acetophenone                | 40.000 | 42.295 | -5.7   | 69    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 88.467 | -10.6  | 71    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 43.636 | -9.1   | 70    | 0.00     |
| 25   | Isophorone                  | 40.000 | 42.042 | -5.1   | 67    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 45.703 | -14.3  | 70    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.554 | -3.9   | 64    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 41.143 | -2.9   | 66    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.592 | -4.0   | 66    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.614 | -4.0   | 68    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.117 | -2.8   | 67    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 41.724 | -4.3   | 61    | -0.01    |
| 33   | 4-Chloroaniline             | 40.000 | 41.697 | -4.2   | 66    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 44.844 | -12.1  | 73    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.277 | -0.7   | 62    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.940 | -7.3   | 68    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 41.425 | -3.6   | 67    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 41.403 | -3.5   | 67    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 63    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 44.032 | -10.1  | 69    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 34.269 | 14.3   | 51    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 93.611 | -17.0  | 74    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 42.986 | -7.5   | 67    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.242 | -5.6   | 64    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 91.654 | -14.6  | 71    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 42.846 | -7.1   | 68    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 42.175 | -5.4   | 67    | 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 | 45.321 | -13.3 | 68    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 42.153 | -5.4  | 66    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 42.251 | -5.6  | 66    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 42.970 | -7.4  | 65    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 42.649 | -6.6  | 66    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 41.220 | -3.0  | 62    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 44.822 | -12.1 | 65    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 42.197 | -5.5  | 66    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 36.547 | 8.6   | 54    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.562 | -8.9  | 65    | 0.00     |
| 58   | Fluorene                   | 40.000 | 42.707 | -6.8  | 68    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.039 | -7.6  | 66    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.735 | -4.3  | 65    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 42.934 | -7.3  | 68    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.683 | -1.7  | 61    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.835 | -4.6  | 65    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 63    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 47.357 | -18.4 | 65    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.525 | -3.8  | 66    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.652 | -6.6  | 67    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 44.075 | -10.2 | 69    | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.833 | 0.4   | 63    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 36.034 | 9.9   | 53    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.454 | -1.1  | 64    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.829 | -2.1  | 64    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.226 | 1.9   | 62    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.195 | -0.5  | 63    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.371 | 1.6   | 62    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 56    | 0.00     |
| 77   | Benzydine                  | 40.000 | 49.177 | -22.9 | 64    | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.688 | -9.2  | 61    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 90.249 | -12.8 | 65    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.435 | -11.1 | 60    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 42.269 | -5.7  | 58    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.491 | 1.3   | 55    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.885 | -2.2  | 58    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.462 | -3.7  | 56    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.500 | -1.3  | 54    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 58    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.199 | -8.0  | 59    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.458 | -1.1  | 59    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.845 | -2.1  | 57    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 41.477 | -3.7  | 58    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 42.694 | -6.7  | 58    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 42.514 | -6.3  | 57    | 0.00     |

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