

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101521\  
 Data File : BF125858.D  
 Acq On : 15 Oct 2021 11:25  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 15 15:01:04 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 15 15:00:46 2021  
 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   | 72    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.375 | 1.6   | 74    | 0.01     |
| 3    | Pyridine                    | 40.000 | 40.338 | -0.8  | 73    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 39.183 | 2.0   | 72    | 0.02     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.313 | 0.9   | 75    | 0.01     |
| 6    | Aniline                     | 40.000 | 39.794 | 0.5   | 74    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 80.120 | -0.2  | 76    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.594 | 1.0   | 74    | 0.01     |
| 9    | Benzaldehyde                | 40.000 | 38.569 | 3.6   | 68    | 0.01     |
| 10 C | Phenol                      | 40.000 | 42.882 | -7.2  | 80    | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.406 | 4.0   | 72    | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.907 | 2.7   | 73    | 0.01     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.303 | 4.2   | 71    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.343 | 1.6   | 73    | 0.01     |
| 15   | Benzyl Alcohol              | 40.000 | 39.834 | 0.4   | 73    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.894 | 7.8   | 69    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.349 | 1.6   | 74    | 0.01     |
| 18   | Hexachloroethane            | 40.000 | 38.363 | 4.1   | 71    | 0.01     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.105 | 4.7   | 71    | 0.01     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.743 | 0.6   | 74    | 0.01     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 72    | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.811 | 3.0   | 74    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 81.471 | -1.8  | 75    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.131 | -0.3  | 74    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.770 | 3.1   | 72    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 46.308 | -15.8 | 80    | 0.01     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.767 | 0.6   | 73    | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.370 | 4.1   | 72    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.688 | -1.7  | 75    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.628 | 3.4   | 73    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.603 | 1.0   | 75    | 0.01     |
| 32   | Benzoic acid                | 40.000 | 37.164 | 7.1   | 64    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 40.143 | -0.4  | 75    | 0.01     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.225 | 4.4   | 71    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 44.817 | -12.0 | 83    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.704 | -4.3  | 77    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.587 | 1.0   | 74    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.779 | 0.6   | 75    | 0.01     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 74    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.614 | 3.5   | 72    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 33.730 | 15.7  | 60    | 0.01     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 85.611 | -7.0  | 80    | 0.01     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.945 | -2.4  | 77    | 0.01     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.417 | -1.0  | 75    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 82.282 | -2.9  | 76    | 0.01     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.923 | 2.7   | 74    | 0.01     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.252 | 1.9   | 74    | 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 | 44.738 | -11.8  | 80    | 0.01     |
| 49   | Acenaphthylene             | 40.000 | 40.585 | -1.5   | 76    | 0.01     |
| 50   | Dimethylphthalate          | 40.000 | 40.317 | -0.8   | 76    | 0.01     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 44.175 | -10.4  | 80    | 0.01     |
| 52 C | Acenaphthene               | 40.000 | 40.796 | -2.0   | 77    | 0.01     |
| 53   | 3-Nitroaniline             | 40.000 | 45.887 | -14.7  | 84    | 0.01     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 52.046 | -30.1# | 92    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 40.152 | -0.4   | 76    | 0.01     |
| 56 P | 4-Nitrophenol              | 40.000 | 48.275 | -20.7  | 86    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 46.975 | -17.4  | 84    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.452 | -1.1   | 78    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.466 | -6.2   | 80    | 0.01     |
| 60   | Diethylphthalate           | 40.000 | 40.887 | -2.2   | 77    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.866 | 2.8    | 75    | 0.01     |
| 62   | 4-Nitroaniline             | 40.000 | 48.793 | -22.0  | 89    | 0.01     |
| 63   | Azobenzene                 | 40.000 | 39.461 | 1.3    | 75    | 0.01     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 80    | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 51.640 | -29.1# | 96    | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.839 | 5.4    | 77    | 0.01     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.023 | 7.4    | 76    | 0.01     |
| 68   | Hexachlorobenzene          | 40.000 | 37.987 | 5.0    | 80    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.545 | -1.4   | 83    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.445 | -6.1   | 82    | 0.01     |
| 71   | Phenanthrene               | 40.000 | 38.986 | 2.5    | 81    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.488 | 1.3    | 82    | 0.00     |
| 73   | Carbazole                  | 40.000 | 42.396 | -6.0   | 88    | 0.01     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.579 | -1.4   | 83    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 43.540 | -8.8   | 92    | 0.01     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 111   | 0.01     |
| 77   | Benzydine                  | 40.000 | 36.910 | 7.7    | 102   | 0.01     |
| 78   | Pyrene                     | 40.000 | 34.296 | 14.3   | 94    | 0.01     |
| 79 S | Terphenyl-d14              | 80.000 | 69.642 | 12.9   | 94    | 0.01     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.569 | -3.9   | 115   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.882 | 2.8    | 110   | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.642 | -1.6   | 109   | 0.01     |
| 83   | Chrysene                   | 40.000 | 39.248 | 1.9    | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.195 | -8.0   | 118   | 0.01     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 37.156 | 7.1    | 94    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 79    | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.908 | 7.7    | 73    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 43.979 | -9.9   | 87    | 0.01     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 41.705 | -4.3   | 84    | 0.02     |
| 90 C | Benzo(a)pyrene             | 40.000 | 41.462 | -3.7   | 81    | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 36.545 | 8.6    | 72    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 36.573 | 8.6    | 73    | 0.02     |

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