

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111320\  
 Data File : BF122325.D  
 Acq On : 13 Nov 2020 12:54  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 13 14:01:26 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 10 12:25:42 2020  
 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   | 116   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.266 | 1.8   | 116   | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.547 | 1.1   | 115   | 0.01     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 39.419 | 1.5   | 115   | 0.01     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.497 | 0.6   | 116   | 0.00     |
| 6    | Aniline                     | 40.000 | 39.154 | 2.1   | 114   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 78.820 | 1.5   | 115   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.139 | -0.3  | 115   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 36.858 | 7.9   | 110   | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.462 | 1.3   | 115   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.458 | 3.9   | 113   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.582 | 3.5   | 112   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.001 | 2.5   | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.365 | 1.6   | 115   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 39.877 | 0.3   | 114   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.511 | 6.2   | 110   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.143 | 2.1   | 115   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.640 | 0.9   | 114   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.565 | 6.1   | 110   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 39.567 | 1.1   | 115   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 114   | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.717 | 3.2   | 113   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 91.220 | -14.0 | 123   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 42.492 | -6.2  | 117   | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.780 | 5.5   | 111   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 44.303 | -10.8 | 142   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.221 | -0.6  | 116   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.435 | 3.9   | 111   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.233 | -3.1  | 117   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.526 | 1.2   | 113   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.046 | 2.4   | 113   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 45.229 | -13.1 | 142   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.294 | 1.8   | 113   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.095 | 2.3   | 113   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.480 | -1.2  | 115   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.973 | 0.1   | 114   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.841 | 2.9   | 113   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.640 | 3.4   | 111   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 113   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.007 | -0.0  | 114   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 42.365 | -5.9  | 114   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 87.268 | -9.1  | 118   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 42.924 | -7.3  | 118   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.071 | -5.2  | 116   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 75.599 | 5.5   | 111   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.993 | 2.5   | 112   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.945 | 0.1   | 114   | 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 | 42.035 | -5.1   | 127   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.052 | 2.4    | 111   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.769 | 3.1    | 113   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.639 | -4.1   | 124   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.183 | -0.5   | 115   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.832 | -2.1   | 121   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 50.380 | -26.0# | 174   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.237 | 1.9    | 113   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 41.277 | -3.2   | 123   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.129 | -7.8   | 129   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.389 | 4.0    | 111   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.246 | -8.1   | 117   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.614 | 3.5    | 111   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.961 | 2.6    | 112   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 41.548 | -3.9   | 123   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.121 | 4.7    | 110   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 112   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 48.440 | -21.1  | 154   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.632 | 0.9    | 113   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.175 | -0.4   | 113   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.213 | -0.5   | 114   | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.477 | -1.2   | 113   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.991 | -10.0  | 121   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.161 | 2.1    | 112   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.378 | 1.6    | 111   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.937 | 2.7    | 111   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.765 | 3.1    | 109   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.010 | 2.5    | 110   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 106   | 0.00     |
| 77   | Benzydine                  | 40.000 | 38.190 | 4.5    | 101   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.365 | -0.9   | 110   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.282 | 0.9    | 111   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.796 | 0.5    | 111   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.539 | 1.2    | 107   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.338 | -3.3   | 108   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.216 | 2.0    | 107   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.911 | -2.3   | 110   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.282 | -3.2   | 104   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 95    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 38.410 | 4.0    | 96    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 41.538 | -3.8   | 98    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.979 | 0.1    | 98    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.347 | -0.9   | 96    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 38.569 | 3.6    | 97    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 38.378 | 4.1    | 98    | 0.00     |

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

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