

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110320\  
 Data File : BF122237.D  
 Acq On : 3 Nov 2020 12:11  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 03 14:09:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 30 10:16:54 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  | 74    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.805 | 8.0  | 69    | -0.01    |
| 3    | Pyridine                    | 40.000 | 34.712 | 13.2 | 64    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.418 | 6.5  | 70    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.990 | -2.5 | 78    | 0.00     |
| 6    | Aniline                     | 40.000 | 37.622 | 5.9  | 73    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.698 | 4.1  | 74    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.864 | 0.3  | 76    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.705 | 0.7  | 74    | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.704 | 5.7  | 73    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.398 | 4.0  | 73    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.447 | 1.4  | 76    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.779 | 0.6  | 76    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.924 | 2.7  | 74    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 42.783 | -7.0 | 81    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.174 | 2.1  | 74    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.192 | 4.5  | 74    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.351 | -0.9 | 76    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.556 | -3.9 | 81    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 43.796 | -9.5 | 86    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 75    | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.337 | -3.3 | 81    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 80.422 | -0.5 | 77    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.604 | -1.5 | 78    | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.088 | -0.2 | 78    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.236 | -0.6 | 75    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.203 | 2.0  | 75    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.638 | 0.9  | 76    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.279 | -0.7 | 77    | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.224 | 1.9  | 75    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.268 | 1.8  | 76    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 31.808 | 20.5 | 60    | 0.02     |
| 33   | 4-Chloroaniline             | 40.000 | 40.632 | -1.6 | 78    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 41.068 | -2.7 | 77    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 37.869 | 5.3  | 73    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.522 | -3.8 | 80    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.447 | 1.4  | 77    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.574 | 1.1  | 77    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 75    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.488 | -1.2 | 78    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 36.940 | 7.7  | 66    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 82.011 | -2.5 | 78    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 38.785 | 3.0  | 74    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 34.191 | 14.5 | 65    | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.172 | 2.3  | 78    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 40.405 | -1.0 | 79    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.335 | -0.8 | 77    | 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 | 42.740 | -6.9  | 81    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.373 | 1.6   | 76    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.405 | 1.5   | 76    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.295 | -0.7  | 75    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.888 | 0.3   | 78    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.181 | -0.5  | 77    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.946 | -4.9  | 86    | 0.02     |
| 55   | Dibenzofuran               | 40.000 | 40.323 | -0.8  | 79    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 44.036 | -10.1 | 82    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 43.897 | -9.7  | 83    | 0.00     |
| 58   | Fluorene                   | 40.000 | 41.403 | -3.5  | 81    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 43.860 | -9.6  | 81    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.688 | -4.2  | 80    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 41.904 | -4.8  | 82    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.015 | 2.5   | 74    | 0.01     |
| 63   | Azobenzene                 | 40.000 | 41.615 | -4.0  | 79    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 76    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.207 | 9.5   | 72    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.490 | 1.3   | 79    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.574 | -1.4  | 79    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.332 | -0.8  | 79    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.483 | -1.2  | 78    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 39.808 | 0.5   | 84    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.610 | 1.0   | 79    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.287 | -0.7  | 80    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.295 | -0.7  | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.378 | -3.4  | 81    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.178 | -0.4  | 80    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 77    | 0.00     |
| 77   | Benzydine                  | 40.000 | 42.344 | -5.9  | 85    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.720 | -1.8  | 80    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.590 | -2.0  | 82    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.569 | -6.4  | 81    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.051 | -0.1  | 79    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.584 | 3.5   | 73    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.986 | 0.0   | 77    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.887 | -4.7  | 80    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.997 | -5.0  | 80    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 73    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.159 | 2.1   | 72    | 0.03     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 43.455 | -8.6  | 76    | 0.01     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 42.330 | -5.8  | 75    | 0.01     |
| 90 C | Benzo(a)pyrene             | 40.000 | 42.666 | -6.7  | 75    | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.749 | 0.6   | 73    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 38.407 | 4.0   | 71    | 0.05     |

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