

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120622\  
 Data File : BF131519.D  
 Acq On : 06 Dec 2022 10:34  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 07 03:17:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 06 01:30:30 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   | 109   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 35.457 | 11.4  | 100   | 0.00     |
| 3    | Pyridine                    | 40.000 | 34.699 | 13.3  | 98    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 31.737 | 20.7  | 88    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 75.369 | 5.8   | 106   | 0.00     |
| 6    | Aniline                     | 40.000 | 35.156 | 12.1  | 100   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 73.015 | 8.7   | 104   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.783 | 0.5   | 115   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.169 | 2.1   | 116   | 0.00     |
| 10 C | Phenol                      | 40.000 | 35.876 | 10.3  | 103   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 35.429 | 11.4  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.242 | 1.9   | 113   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.202 | 2.0   | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.662 | 0.8   | 113   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 34.202 | 14.5  | 94    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.590 | 16.0  | 95    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.074 | 4.8   | 107   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.796 | 5.5   | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 33.198 | 17.0  | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 37.616 | 6.0   | 105   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 110   | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.647 | 5.9   | 105   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 70.762 | 11.5  | 97    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 34.387 | 14.0  | 94    | 0.00     |
| 25   | Isophorone                  | 40.000 | 35.955 | 10.1  | 99    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 44.688 | -11.7 | 123   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.397 | -1.0  | 111   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.153 | 7.1   | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.197 | -5.5  | 118   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.232 | -0.6  | 114   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.136 | 4.7   | 111   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 46.636 | -16.6 | 126   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 38.979 | 2.6   | 112   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.356 | -0.9  | 115   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.518 | 1.2   | 112   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.568 | 3.6   | 109   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.270 | 1.8   | 113   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.591 | 1.0   | 115   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 113   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.091 | 4.8   | 114   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 42.669 | -6.7  | 121   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 85.132 | -6.4  | 125   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 38.760 | 3.1   | 114   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.683 | -1.7  | 118   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 75.861 | 5.2   | 112   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.223 | 4.4   | 115   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 37.425 | 6.4   | 113   | 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 | 34.875 | 12.8   | 100   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.004 | 5.0    | 114   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.011 | 2.5    | 117   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.343 | 1.6    | 114   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.154 | 2.1    | 115   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.967 | 2.6    | 114   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 42.669 | -6.7   | 129   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.637 | 3.4    | 116   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.970 | 0.1    | 111   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.690 | -1.7   | 115   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.963 | 5.1    | 111   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.084 | -5.2   | 122   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.183 | 4.5    | 113   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.374 | 4.1    | 113   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.655 | 0.9    | 115   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 33.242 | 16.9   | 96    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 111   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 44.722 | -11.8  | 127   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.875 | 2.8    | 114   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.469 | -1.2   | 119   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.907 | -2.3   | 120   | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.018 | -0.0   | 113   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.530 | -6.3   | 124   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.115 | 2.2    | 114   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.484 | 3.8    | 113   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.875 | 0.3    | 114   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.224 | -0.6   | 113   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.716 | 3.2    | 111   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 110   | 0.00     |
| 77   | Benzydine                  | 40.000 | 55.133 | -37.8# | 142   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.615 | 1.0    | 113   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.900 | -2.4   | 113   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 46.433 | -16.1  | 123   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.710 | 0.7    | 112   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.443 | -6.1   | 120   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.713 | 0.7    | 114   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 46.148 | -15.4  | 127   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.332 | -8.3   | 134   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 122   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.027 | 7.4    | 105   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 37.750 | 5.6    | 122   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 36.879 | 7.8    | 119   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.119 | 2.2    | 121   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 37.378 | 6.6    | 107   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.597 | 1.0    | 102   | 0.00     |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
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(#) = Out of Range                      SPCC's out = 0    CCC's out = 0