

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF033122\  
 Data File : BF127596.D  
 Acq On : 31 Mar 2022 10:27  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 01 05:32:52 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF032122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 29 07:13:31 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  | 114   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 42.514 | -6.3 | 132   | -0.02    |
| 3    | Pyridine                    | 40.000 | 38.229 | 4.4  | 110   | -0.02    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.016 | 7.5  | 108   | -0.02    |
| 5 S  | 2-Fluorophenol              | 80.000 | 74.404 | 7.0  | 109   | 0.00     |
| 6    | Aniline                     | 40.000 | 38.022 | 4.9  | 109   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 75.199 | 6.0  | 110   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.333 | 4.2  | 111   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 38.214 | 4.5  | 108   | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.581 | 6.0  | 108   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.833 | 0.4  | 116   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 36.948 | 7.6  | 108   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 36.860 | 7.9  | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 34.972 | 12.6 | 108   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.469 | 6.3  | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.998 | 2.5  | 113   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.346 | 4.1  | 112   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.887 | 5.3  | 111   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.428 | 3.9  | 114   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.808 | 3.0  | 114   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 118   | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.344 | 9.1  | 112   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 74.020 | 7.5  | 112   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 38.111 | 4.7  | 114   | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.838 | -2.1 | 120   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.098 | 2.3  | 116   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.355 | 1.6  | 116   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.419 | -1.0 | 122   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.027 | 2.4  | 116   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 36.073 | 9.8  | 110   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.708 | 5.7  | 114   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 38.966 | 2.6  | 116   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.868 | 0.3  | 120   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 36.718 | 8.2  | 111   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 41.639 | -4.1 | 119   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.337 | 1.7  | 118   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.771 | 3.1  | 117   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.763 | 5.6  | 116   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 119   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 36.086 | 9.8  | 112   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 35.351 | 11.6 | 104   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 74.010 | 7.5  | 115   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 38.748 | 3.1  | 116   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.656 | 3.4  | 111   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 71.107 | 11.1 | 113   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 36.884 | 7.8  | 116   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 37.111 | 7.2  | 115   | 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 | 39.267 | 1.8    | 120   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 36.158 | 9.6    | 111   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.614 | 3.5    | 120   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.045 | 4.9    | 117   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.629 | 5.9    | 115   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.445 | 1.4    | 120   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 37.261 | 6.8    | 112   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.695 | 3.3    | 113   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.346 | 14.1   | 97    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 35.841 | 10.4   | 110   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.877 | 2.8    | 117   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.072 | 7.3    | 116   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.382 | 4.0    | 121   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 36.015 | 10.0   | 119   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.657 | 0.9    | 123   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.574 | 3.6    | 121   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 118   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.901 | -2.3   | 117   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.890 | 5.3    | 118   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.409 | 4.0    | 118   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.037 | 7.4    | 114   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.866 | 5.3    | 112   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 38.730 | 3.2    | 115   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.009 | 7.5    | 116   | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.659 | 5.9    | 117   | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.414 | 6.5    | 115   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.356 | -3.4   | 126   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.110 | 4.7    | 117   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 127   | 0.00     |
| 77   | Benzydine                  | 40.000 | 35.951 | 10.1   | 126   | 0.00     |
| 78   | Pyrene                     | 40.000 | 35.365 | 11.6   | 118   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 69.619 | 13.0   | 116   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.117 | -5.3   | 133   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.053 | 4.9    | 124   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.500 | 6.3    | 123   | 0.00     |
| 83   | Chrysene                   | 40.000 | 37.647 | 5.9    | 123   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 44.706 | -11.8  | 140   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 50.649 | -26.6# | 161   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 127   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.944 | 15.1   | 102   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 41.014 | -2.5   | 129   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 37.784 | 5.5    | 130   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.479 | 1.3    | 127   | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 35.129 | 12.2   | 105   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 33.865 | 15.3   | 101   | 0.01     |

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 1