

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091923\  
 Data File : BF135329.D  
 Acq On : 19 Sep 2023 10:14  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Sep 20 01:31:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 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  | 115   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 38.486 | 3.8  | 111   | -0.01    |
| 3    | Pyridine                    | 40.000 | 39.756 | 0.6  | 111   | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.382 | -1.0 | 113   | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 75.295 | 5.9  | 108   | 0.00     |
| 6    | Aniline                     | 40.000 | 36.616 | 8.5  | 105   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 74.081 | 7.4  | 106   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.572 | 6.1  | 107   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 37.239 | 6.9  | 109   | 0.00     |
| 10 C | Phenol                      | 40.000 | 36.418 | 9.0  | 104   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.514 | 3.7  | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.202 | 7.0  | 107   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.246 | 6.9  | 107   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 36.904 | 7.7  | 107   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.411 | 6.5  | 106   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.400 | 4.0  | 109   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.473 | 8.8  | 103   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.540 | 6.2  | 107   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.494 | 11.3 | 103   | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 36.071 | 9.8  | 105   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 110   | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.794 | 8.0  | 104   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 76.399 | 4.5  | 106   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 37.943 | 5.1  | 104   | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.389 | 4.0  | 107   | -0.01    |
| 26 C | 2-Nitrophenol               | 40.000 | 40.155 | -0.4 | 110   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.365 | 4.1  | 108   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.386 | 4.0  | 109   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 38.353 | 4.1  | 107   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.822 | 5.4  | 106   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.219 | 4.5  | 107   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 39.014 | 2.5  | 103   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 38.165 | 4.6  | 107   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.608 | 6.0  | 105   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.497 | 1.3  | 110   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.369 | 4.1  | 106   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 37.909 | 5.2  | 108   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.518 | 6.2  | 106   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 114   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 37.165 | 7.1  | 106   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.394 | 1.5  | 117   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 68.735 | 14.1 | 100   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 37.095 | 7.3  | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.179 | 4.6  | 108   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 71.088 | 11.1 | 106   | -0.01    |
| 46   | 1,1'-Biphenyl               | 40.000 | 36.898 | 7.8  | 106   | -0.01    |
| 47   | 2-Chloronaphthalene         | 40.000 | 36.604 | 8.5  | 106   | 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 | 38.117 | 4.7   | 108   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 36.743 | 8.1   | 106   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 36.919 | 7.7   | 109   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 37.510 | 6.2   | 107   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 36.762 | 8.1   | 108   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.211 | 4.5   | 109   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 33.330 | 16.7  | 96    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 35.888 | 10.3  | 105   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.192 | 12.0  | 96    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 36.332 | 9.2   | 102   | 0.00     |
| 58   | Fluorene                   | 40.000 | 36.344 | 9.1   | 107   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.531 | 6.2   | 108   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.266 | 6.8   | 108   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 36.452 | 8.9   | 108   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.859 | 2.9   | 110   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.620 | 6.0   | 109   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 109   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.808 | 0.5   | 110   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.465 | 6.3   | 106   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.981 | 5.0   | 108   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.183 | 7.0   | 105   | 0.00     |
| 69   | Atrazine                   | 40.000 | 36.630 | 8.4   | 104   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.839 | 15.4  | 88    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.760 | 5.6   | 106   | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.847 | 5.4   | 107   | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.573 | 6.1   | 105   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.838 | 2.9   | 108   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.509 | 6.2   | 105   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 101   | 0.00     |
| 77   | Benzydine                  | 40.000 | 38.977 | 2.6   | 110   | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.009 | -2.5  | 104   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.072 | 1.2   | 102   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.419 | -8.5  | 107   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 37.444 | 6.4   | 96    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.590 | 1.0   | 100   | 0.00     |
| 83   | Chrysene                   | 40.000 | 37.725 | 5.7   | 97    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.426 | -18.6 | 118   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 45.380 | -13.5 | 112   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.172 | 2.1   | 105   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 36.087 | 9.8   | 102   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 35.758 | 10.6  | 102   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 37.869 | 5.3   | 105   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 38.943 | 2.6   | 105   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 38.570 | 3.6   | 103   | 0.02     |

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

(#) = Out of Range

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