

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP032523\  
 Data File : BP014295.D  
 Acq On : 24 Mar 2023 18:57  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 25 03:20:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 25 03:19:01 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    | 120   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 39.320 | 1.7    | 110   | 0.00     |
| 3    | Pyridine                    | 40.000 | 39.822 | 0.4    | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.517 | -1.3   | 110   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 80.286 | -0.4   | 112   | 0.00     |
| 6    | Aniline                     | 40.000 | 41.453 | -3.6   | 116   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 83.587 | -4.5   | 117   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.477 | -1.2   | 115   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.495 | 1.3    | 113   | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.037 | -5.1   | 117   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 42.954 | -7.4   | 123   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.952 | 0.1    | 115   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.955 | 0.1    | 114   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.135 | -0.3   | 116   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 42.443 | -6.1   | 118   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 50.436 | -26.1# | 149   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 41.868 | -4.7   | 119   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.058 | -2.6   | 115   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 45.151 | -12.9  | 130   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 42.252 | -5.6   | 122   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 127   | 0.00     |
| 22   | Acetophenone                | 40.000 | 41.223 | -3.1   | 122   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 85.108 | -6.4   | 121   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 42.749 | -6.9   | 126   | 0.00     |
| 25   | Isophorone                  | 40.000 | 41.091 | -2.7   | 121   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.645 | -1.6   | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.061 | -2.7   | 121   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 42.443 | -6.1   | 129   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.365 | 1.6    | 118   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.318 | 4.2    | 115   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.444 | -1.1   | 122   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 32.998 | 17.5   | 101   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.433 | 1.4    | 117   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 36.459 | 8.9    | 107   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 37.363 | 6.6    | 116   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.298 | -0.7   | 122   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.998 | 2.5    | 120   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.876 | 2.8    | 120   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 122   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.994 | 2.5    | 111   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 33.847 | 15.4   | 93    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 69.123 | 13.6   | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.028 | 2.4    | 111   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.988 | 2.5    | 112   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 80.958 | -1.2   | 118   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.121 | -2.8   | 116   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.752 | -1.9   | 117   | 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 | 46.075 | -15.2 | 127   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.519 | -1.3  | 117   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.934 | 5.2   | 114   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.450 | 1.4   | 115   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.991 | 0.0   | 115   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 39.156 | 2.1   | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 32.916 | 17.7  | 100   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.897 | 0.3   | 114   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 34.931 | 12.7  | 103   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.283 | 4.3   | 109   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.749 | 3.1   | 113   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.757 | 10.6  | 104   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.366 | 6.6   | 112   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 36.926 | 7.7   | 107   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.180 | 4.6   | 110   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 43.539 | -8.8  | 125   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 111   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.001 | 2.5   | 101   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 43.489 | -8.7  | 111   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.568 | 1.1   | 102   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.897 | 2.8   | 99    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.876 | 2.8   | 107   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 37.304 | 6.7   | 94    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.141 | -0.4  | 105   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.993 | 0.0   | 104   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.922 | 2.7   | 103   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.411 | 4.0   | 103   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 35.712 | 10.7  | 96    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 77   | Benzydine                  | 40.000 | 39.552 | 1.1   | 82    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.378 | -3.4  | 95    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 80.140 | -0.2  | 92    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.587 | -6.5  | 93    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.670 | 0.8   | 85    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.455 | -1.1  | 83    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.478 | -1.2  | 87    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.068 | -5.2  | 89    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.390 | -8.5  | 86    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 87    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.550 | -8.9  | 82    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.468 | 3.8   | 80    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.970 | 0.1   | 84    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.018 | -0.0  | 81    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.900 | -9.7  | 84    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 44.044 | -10.1 | 83    | 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