

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042425\  
 Data File : BP024407.D  
 Acq On : 24 Apr 2025 11:50  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 24 12:15:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 18 12:04:48 2025  
 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    | 107   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.302 | 9.2    | 97    | 0.00     |
| 3    | Pyridine                    | 40.000 | 35.750 | 10.6   | 93    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.512 | -1.3   | 107   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 77.118 | 3.6    | 100   | 0.00     |
| 6    | Aniline                     | 40.000 | 39.511 | 1.2    | 99    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 78.917 | 1.4    | 100   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.512 | 1.2    | 102   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 46.095 | -15.2  | 121   | -0.01    |
| 10 C | Phenol                      | 40.000 | 39.261 | 1.8    | 100   | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.961 | 5.1    | 98    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.511 | 3.7    | 101   | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.379 | 4.1    | 102   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.221 | 4.4    | 101   | -0.01    |
| 15   | Benzyl Alcohol              | 40.000 | 44.081 | -10.2  | 110   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.967 | 2.6    | 100   | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 41.486 | -3.7   | 105   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.952 | 0.1    | 106   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 41.231 | -3.1   | 105   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 42.017 | -5.0   | 106   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 112   | -0.01    |
| 22   | Acetophenone                | 40.000 | 38.955 | 2.6    | 104   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 78.756 | 1.6    | 105   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 38.855 | 2.9    | 103   | 0.00     |
| 25   | Isophorone                  | 40.000 | 41.094 | -2.7   | 108   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 44.216 | -10.5  | 114   | -0.01    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.398 | -3.5   | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.048 | 2.4    | 103   | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.193 | -5.5   | 111   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.784 | 0.5    | 108   | -0.01    |
| 31   | Naphthalene                 | 40.000 | 38.845 | 2.9    | 106   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 45.380 | -13.5  | 130   | 0.02     |
| 33   | 4-Chloroaniline             | 40.000 | 42.307 | -5.8   | 111   | -0.01    |
| 34 C | Hexachlorobutadiene         | 40.000 | 40.912 | -2.3   | 111   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 44.404 | -11.0  | 119   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 43.453 | -8.6   | 115   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.087 | -0.2   | 108   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.589 | -1.5   | 111   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 119   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 39.672 | 0.8    | 112   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 56.036 | -40.1# | 149   | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 89.660 | -12.1  | 127   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 41.942 | -4.9   | 117   | -0.01    |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.013 | -5.0   | 118   | -0.01    |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.627 | 1.7    | 112   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.029 | 2.4    | 111   | -0.01    |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.792 | 3.0    | 111   | 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 | 43.839 | -9.6  | 121   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.847 | 0.4   | 113   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.633 | -1.6  | 117   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.826 | -4.6  | 118   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.708 | 3.2   | 112   | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 42.406 | -6.0  | 115   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 43.713 | -9.3  | 127   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.159 | 2.1   | 114   | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 41.865 | -4.7  | 114   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.015 | -10.0 | 123   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.635 | 0.9   | 117   | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.614 | -6.5  | 121   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 42.288 | -5.7  | 121   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.681 | -1.7  | 120   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 43.272 | -8.2  | 119   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.687 | 0.8   | 113   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 123   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.954 | -7.4  | 127   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.349 | -0.9  | 118   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.910 | -2.3  | 120   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.839 | -4.6  | 123   | 0.00     |
| 69   | Atrazine                   | 40.000 | 41.055 | -2.6  | 159   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.408 | -8.5  | 124   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.555 | 3.6   | 115   | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.086 | -0.2  | 117   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.756 | 0.6   | 116   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.444 | -6.1  | 119   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.178 | 2.1   | 116   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 127   | 0.00     |
| 77   | Benzidine                  | 40.000 | 27.257 | 31.9# | 50    | -0.01    |
| 78   | Pyrene                     | 40.000 | 38.577 | 3.6   | 119   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.971 | 1.3   | 120   | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 42.514 | -6.3  | 123   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.642 | 3.4   | 118   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.739 | 5.7   | 107   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.221 | 4.4   | 119   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.987 | -2.5  | 116   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.134 | -2.8  | 116   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 121   | -0.02    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 34.474 | 13.8  | 100   | -0.04    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.079 | -0.2  | 115   | -0.01    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.213 | 2.0   | 113   | -0.02    |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.338 | 1.7   | 112   | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 34.153 | 14.6  | 99    | -0.04    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 33.686 | 15.8  | 98    | -0.02    |

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

(#) = Out of Range

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