

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082824\  
 Data File : BM047373.D  
 Acq On : 28 Aug 2024 09:37  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 28 11:54:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 26 18:11:40 2024  
 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  | 99    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.415 | -1.0 | 101   | 0.00     |
| 3    | Pyridine                    | 40.000 | 38.961 | 2.6  | 96    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 39.076 | 2.3  | 95    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.608 | -2.0 | 101   | 0.00     |
| 6    | Aniline                     | 40.000 | 39.489 | 1.3  | 95    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 77.985 | 2.5  | 96    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 39.704 | 0.7  | 98    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 42.849 | -7.1 | 102   | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.870 | 2.8  | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 38.565 | 3.6  | 95    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.582 | -1.5 | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.605 | -1.5 | 99    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.554 | 1.1  | 97    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 40.124 | -0.3 | 95    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.776 | 5.6  | 91    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.649 | 3.4  | 93    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.931 | 0.2  | 98    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.368 | 11.6 | 88    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.047 | 4.9  | 91    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 92    | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.843 | 0.4  | 90    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 80.717 | -0.9 | 90    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.706 | -1.8 | 90    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.892 | 2.8  | 87    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.585 | -6.5 | 92    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.902 | -4.8 | 93    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.857 | 0.4  | 89    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 42.685 | -6.7 | 92    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 41.581 | -4.0 | 93    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.585 | -1.5 | 92    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 40.907 | -2.3 | 90    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 40.533 | -1.3 | 90    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 42.416 | -6.0 | 94    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.890 | 0.3  | 91    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 40.374 | -0.9 | 89    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.743 | 0.6  | 90    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.822 | 0.4  | 90    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 88    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 43.068 | -7.7 | 91    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.050 | 2.4  | 79    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 83.698 | -4.6 | 91    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 42.335 | -5.8 | 89    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 42.350 | -5.9 | 89    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 83.051 | -3.8 | 89    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.125 | -2.8 | 89    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 41.415 | -3.5 | 90    | 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 | 41.610 | -4.0    | 87    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.082 | -2.7    | 88    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.770 | -1.9    | 89    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.775 | -4.4    | 89    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.843 | -2.1    | 89    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.886 | -7.2    | 90    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.228 | -3.1    | 86    | 0.01     |
| 55   | Dibenzofuran               | 40.000 | 40.694 | -1.7    | 89    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.094 | -5.2    | 90    | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.106 | -5.3    | 91    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.840 | -2.1    | 89    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.903 | -2.3    | 87    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 40.616 | -1.5    | 89    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.741 | -1.9    | 89    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 44.117 | -10.3   | 94    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.794 | 0.5     | 86    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0     | 91    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.934 | -9.8    | 90    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 41.076 | -2.7    | 89    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.563 | -3.9    | 90    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.597 | -4.0    | 90    | 0.00     |
| 69   | Atrazine                   | 40.000 | 34.458 | 13.9    | 87    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.207 | -3.0    | 87    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 41.239 | -3.1    | 91    | 0.00     |
| 72   | Anthracene                 | 40.000 | 41.972 | -4.9    | 92    | 0.00     |
| 73   | Carbazole                  | 40.000 | 42.587 | -6.5    | 93    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.435 | -6.1    | 92    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 42.595 | -6.5    | 94    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0     | 96    | 0.00     |
| 77   | Benzidine                  | 40.000 | 85.439 | -113.6# | 135   | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.688 | -1.7    | 94    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.362 | -3.0    | 94    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.446 | -8.6    | 97    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.500 | -3.8    | 96    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 45.518 | -13.8   | 100   | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.261 | -3.2    | 96    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.223 | -3.1    | 94    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.201 | -8.0    | 97    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0     | 101   | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.377 | -8.4    | 104   | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.531 | 1.2     | 96    | 0.01     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 40.083 | -0.2    | 99    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.907 | -2.3    | 99    | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.383 | -8.5    | 105   | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 43.996 | -10.0   | 106   | 0.04     |

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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