

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100720\  
 Data File : BP003553.D  
 Acq On : 07 Oct 2020 15:23  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 07 16:36:55 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP091520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 05 14:33:14 2020  
 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   | 71    | -0.01    |
| 2    | 1,4-Dioxane                 | 40.000 | 33.607 | 16.0  | 64    | -0.01    |
| 3    | Pyridine                    | 40.000 | 34.462 | 13.8  | 64    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 39.639 | 0.9   | 73    | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.193 | -1.5  | 76    | 0.00     |
| 6    | Aniline                     | 40.000 | 43.257 | -8.1  | 80    | -0.01    |
| 7 S  | Phenol-d6                   | 80.000 | 86.090 | -7.6  | 79    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.124 | -0.3  | 75    | -0.01    |
| 9    | Benzaldehyde                | 40.000 | 39.484 | 1.3   | 75    | 0.00     |
| 10 C | Phenol                      | 40.000 | 43.101 | -7.8  | 79    | -0.01    |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 43.907 | -9.8  | 81    | -0.01    |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.371 | 1.6   | 73    | -0.01    |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.296 | 1.8   | 74    | -0.01    |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.274 | 1.8   | 74    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 44.720 | -11.8 | 80    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 48.003 | -20.0 | 90    | -0.01    |
| 17   | 2-Methylphenol              | 40.000 | 41.509 | -3.8  | 77    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.421 | -6.1  | 79    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 48.821 | -22.1 | 90    | -0.01    |
| 20   | 3+4-Methylphenols           | 40.000 | 42.091 | -5.2  | 76    | -0.01    |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 72    | -0.01    |
| 22   | Acetophenone                | 40.000 | 42.628 | -6.6  | 80    | -0.01    |
| 23 S | Nitrobenzene-d5             | 80.000 | 91.827 | -14.8 | 87    | -0.01    |
| 24   | Nitrobenzene                | 40.000 | 46.470 | -16.2 | 88    | 0.00     |
| 25   | Isophorone                  | 40.000 | 44.155 | -10.4 | 83    | -0.01    |
| 26 C | 2-Nitrophenol               | 40.000 | 39.247 | 1.9   | 74    | -0.01    |
| 27   | 2,4-Dimethylphenol          | 40.000 | 39.990 | 0.0   | 76    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 43.494 | -8.7  | 83    | -0.01    |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 37.090 | 7.3   | 70    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.357 | 6.6   | 71    | -0.01    |
| 31   | Naphthalene                 | 40.000 | 39.809 | 0.5   | 76    | -0.01    |
| 32   | Benzoic acid                | 40.000 | 20.620 | 48.4# | 30    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 39.908 | 0.2   | 75    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 36.620 | 8.5   | 70    | -0.01    |
| 35   | Caprolactam                 | 40.000 | 38.105 | 4.7   | 71    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 39.530 | 1.2   | 75    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.688 | 3.3   | 75    | -0.01    |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.580 | 3.6   | 75    | -0.01    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 67    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.985 | 2.5   | 69    | -0.01    |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 41.467 | -3.7  | 75    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 71.936 | 10.1  | 62    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 36.361 | 9.1   | 64    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 34.077 | 14.8  | 59    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 80.972 | -1.2  | 73    | -0.01    |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.066 | -2.7  | 73    | -0.01    |
| 47   | 2-Chloronaphthalene         | 40.000 | 40.404 | -1.0  | 72    | 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 | 49.034 | -22.6 | 84    | -0.01    |
| 49   | Acenaphthylene             | 40.000 | 40.123 | -0.3  | 71    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.690 | 0.8   | 71    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.986 | 0.0   | 70    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.201 | -0.5  | 72    | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 41.046 | -2.6  | 71    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 41.691 | -4.2  | 77    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.198 | 2.0   | 70    | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 40.643 | -1.6  | 68    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.953 | 0.1   | 68    | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.168 | -0.4  | 73    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 35.523 | 11.2  | 62    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.921 | 0.2   | 71    | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.132 | 2.2   | 71    | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 38.980 | 2.6   | 66    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 48.042 | -20.1 | 85    | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 65    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.352 | 6.6   | 61    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.633 | -1.6  | 70    | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.701 | 3.2   | 66    | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 38.016 | 5.0   | 66    | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.530 | 3.7   | 66    | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 41.952 | -4.9  | 75    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.931 | 0.2   | 69    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.301 | -0.8  | 69    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.086 | -0.2  | 68    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.071 | -0.2  | 69    | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 39.159 | 2.1   | 67    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 64    | 0.00     |
| 77   | Benzydine                  | 40.000 | 33.160 | 17.1  | 53    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.289 | -0.7  | 68    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.419 | 0.7   | 69    | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 40.704 | -1.8  | 68    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.950 | 0.1   | 67    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.662 | 3.3   | 65    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.521 | -1.3  | 69    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.873 | -2.2  | 71    | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.739 | -1.8  | 68    | -0.01    |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 65    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.180 | -0.4  | 68    | -0.01    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.483 | -1.2  | 69    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.589 | 1.0   | 67    | -0.01    |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.256 | -0.6  | 69    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.283 | -0.7  | 69    | -0.01    |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 39.334 | 1.7   | 67    | -0.01    |

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

(#) = Out of Range                      SPCC's out = 0    CCC's out = 0