

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102020\  
 Data File : BP003684.D  
 Acq On : 20 Oct 2020 18:39  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 20 19:06:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP101920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 19 14:54:24 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  | 109   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 40.683 | -1.7 | 118   | 0.00     |
| 3    | Pyridine                    | 40.000 | 38.568 | 3.6  | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 38.161 | 4.6  | 107   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 78.585 | 1.8  | 111   | 0.00     |
| 6    | Aniline                     | 40.000 | 37.169 | 7.1  | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 75.244 | 5.9  | 106   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.859 | 5.4  | 105   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 38.838 | 2.9  | 107   | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.632 | 5.9  | 105   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.314 | 6.7  | 105   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.194 | 4.5  | 109   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.837 | 5.4  | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.339 | 6.7  | 106   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 36.446 | 8.9  | 101   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.310 | 6.7  | 106   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.591 | 8.5  | 102   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.212 | 4.5  | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.508 | 11.2 | 98    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 36.110 | 9.7  | 101   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 100   | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.346 | 4.1  | 100   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 78.638 | 1.7  | 101   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 38.856 | 2.9  | 101   | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.241 | 6.9  | 95    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.797 | 0.5  | 100   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.548 | 3.6  | 99    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 38.047 | 4.9  | 100   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 38.388 | 4.0  | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.053 | 2.4  | 102   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.235 | 4.4  | 101   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 32.768 | 18.1 | 87    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.343 | 6.6  | 96    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.953 | 2.6  | 103   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 33.991 | 15.0 | 84    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 36.370 | 9.1  | 94    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 37.214 | 7.0  | 97    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 36.932 | 7.7  | 96    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 91    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.711 | -1.8 | 97    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 42.329 | -5.8 | 98    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 74.093 | 7.4  | 85    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.023 | -0.1 | 92    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 39.262 | 1.8  | 91    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 79.619 | 0.5  | 95    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.579 | 1.1  | 95    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.636 | 0.9  | 95    | 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 | 39.237 | 1.9   | 89    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.678 | 3.3   | 91    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 36.848 | 7.9   | 87    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 37.831 | 5.4   | 88    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.383 | 4.0   | 90    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 37.361 | 6.6   | 86    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 32.495 | 18.8  | 78    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.079 | 4.8   | 91    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 36.110 | 9.7   | 82    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 37.665 | 5.8   | 86    | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.403 | 6.5   | 88    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.046 | 7.4   | 85    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 35.787 | 10.5  | 84    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.317 | 6.7   | 89    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 36.002 | 10.0  | 81    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.872 | 7.8   | 87    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 84    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.574 | 6.1   | 81    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.409 | 1.5   | 86    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.394 | 1.5   | 86    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.067 | 2.3   | 85    | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.283 | 6.8   | 79    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 36.659 | 8.4   | 79    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.031 | 4.9   | 84    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.327 | 4.2   | 84    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.079 | 7.3   | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 36.884 | 7.8   | 78    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 36.270 | 9.3   | 78    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 77    | 0.00     |
| 77   | Benzydine                  | 40.000 | 36.020 | 9.9   | 67    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.526 | 1.2   | 78    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.160 | 2.3   | 77    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.047 | 4.9   | 72    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.683 | 3.3   | 76    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.585 | 1.0   | 76    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.788 | 3.0   | 76    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.126 | 4.7   | 72    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 38.405 | 4.0   | 72    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 81    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.610 | -9.0  | 93    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 37.989 | 5.0   | 78    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 37.607 | 6.0   | 79    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.688 | 3.3   | 80    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.466 | -8.7  | 92    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 44.975 | -12.4 | 96    | 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