

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111521\  
 Data File : BP007990.D  
 Acq On : 15 Nov 2021 19:53  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 16 03:17:23 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP111321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 15 05:36:49 2021  
 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  | 78    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 35.835 | 10.4 | 76    | 0.00     |
| 3    | Pyridine                    | 40.000 | 36.777 | 8.1  | 77    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.360 | -0.9 | 79    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 74.649 | 6.7  | 77    | 0.00     |
| 6    | Aniline                     | 40.000 | 39.338 | 1.7  | 78    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.820 | 4.0  | 78    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 40.093 | -0.2 | 79    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 41.083 | -2.7 | 77    | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.301 | 1.7  | 77    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.791 | 5.5  | 78    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.712 | 0.7  | 78    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.897 | 0.3  | 79    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.738 | 3.2  | 79    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 41.229 | -3.1 | 80    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.503 | -3.8 | 79    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.664 | -1.7 | 78    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.699 | -1.7 | 78    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 38.276 | 4.3  | 78    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 40.708 | -1.8 | 78    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 79    | 0.00     |
| 22   | Acetophenone                | 40.000 | 40.827 | -2.1 | 79    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 83.323 | -4.2 | 81    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.702 | -4.3 | 81    | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.500 | -1.3 | 77    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.034 | -5.1 | 78    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.831 | -2.1 | 78    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.607 | 1.0  | 77    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 41.787 | -4.5 | 79    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.795 | -2.0 | 80    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 40.701 | -1.8 | 80    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 40.958 | -2.4 | 74    | -0.01    |
| 33   | 4-Chloroaniline             | 40.000 | 40.582 | -1.5 | 79    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 42.453 | -6.1 | 82    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 40.028 | -0.1 | 75    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 41.139 | -2.8 | 79    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.139 | -0.3 | 79    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.766 | -1.9 | 80    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 79    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.129 | -2.8 | 81    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 39.791 | 0.5  | 79    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 78.264 | 2.2  | 78    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.607 | -1.5 | 78    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.480 | -1.2 | 79    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 79.088 | 1.1  | 81    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.605 | 1.0  | 80    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.629 | 0.9  | 79    | 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 | 40.848 | -2.1 | 78    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.579 | -1.4 | 79    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.164 | 2.1  | 78    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.023 | -0.1 | 78    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.250 | -0.6 | 79    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.678 | -1.7 | 77    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.809 | -2.0 | 74    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.469 | 6.3  | 78    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.526 | -1.3 | 77    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.623 | 3.4  | 76    | 0.00     |
| 58   | Fluorene                   | 40.000 | 36.103 | 9.7  | 79    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.308 | 4.2  | 78    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.220 | 7.0  | 76    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.599 | 6.0  | 79    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.178 | 2.1  | 77    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.861 | 5.3  | 77    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 76    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.902 | -7.3 | 74    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.638 | -1.6 | 78    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.466 | -3.7 | 78    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.681 | -4.2 | 78    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.750 | -1.9 | 75    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 43.879 | -9.7 | 78    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.424 | -1.1 | 78    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.773 | -1.9 | 78    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.742 | -1.9 | 77    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.429 | -3.6 | 77    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.306 | -3.3 | 79    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 83    | 0.00     |
| 77   | Benzydine                  | 40.000 | 37.371 | 6.6  | 69    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.905 | 2.7  | 80    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 78.168 | 2.3  | 82    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.202 | 2.0  | 78    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.851 | 0.4  | 82    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.238 | -5.6 | 84    | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.880 | 0.3  | 83    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 40.188 | -0.5 | 83    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.455 | -1.1 | 80    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 86    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 43.143 | -7.9 | 92    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.679 | 0.8  | 87    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.720 | 0.7  | 84    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.337 | -0.8 | 86    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 43.233 | -8.1 | 93    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 43.497 | -8.7 | 93    | 0.00     |

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

(#) = Out of Range

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