

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP113020\  
 Data File : BP004110.D  
 Acq On : 30 Nov 2020 13:26  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 30 14:03:58 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 23 16:42:41 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   | 119   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.412 | 9.0   | 116   | 0.00     |
| 3    | Pyridine                    | 40.000 | 35.945 | 10.1  | 112   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.411 | 6.5   | 117   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 76.789 | 4.0   | 120   | 0.00     |
| 6    | Aniline                     | 40.000 | 36.658 | 8.4   | 113   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 72.900 | 8.9   | 113   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.793 | 5.5   | 117   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 39.975 | 0.1   | 127   | 0.00     |
| 10 C | Phenol                      | 40.000 | 36.032 | 9.9   | 113   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.609 | 8.5   | 115   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.771 | 5.6   | 120   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.691 | 5.8   | 119   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.230 | 6.9   | 117   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 36.467 | 8.8   | 110   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.217 | 12.0  | 111   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.789 | 8.0   | 114   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.054 | 2.4   | 120   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.798 | 10.5  | 108   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 36.263 | 9.3   | 111   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.193 | 7.0   | 108   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 75.031 | 6.2   | 108   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 38.425 | 3.9   | 111   | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.432 | 6.4   | 106   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 45.751 | -14.4 | 125   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.754 | 5.6   | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.635 | 8.4   | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 38.565 | 3.6   | 109   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.939 | 2.7   | 114   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.414 | 6.5   | 110   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 25.412 | 36.5# | 65    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 35.360 | 11.6  | 102   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.555 | 1.1   | 116   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 33.706 | 15.7  | 93    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 34.829 | 12.9  | 100   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 35.823 | 10.4  | 105   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 35.017 | 12.5  | 104   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 93    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 41.648 | -4.1  | 105   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 43.656 | -9.1  | 106   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 66.704 | 16.6  | 81    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 39.829 | 0.4   | 97    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.457 | 3.9   | 94    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 79.673 | 0.4   | 101   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.451 | 1.4   | 101   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.409 | 1.5   | 100   | 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 | 40.123 | -0.3   | 95    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.063 | 4.8    | 96    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 35.475 | 11.3   | 90    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 37.700 | 5.7    | 93    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 35.644 | 10.9   | 90    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 35.246 | 11.9   | 87    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 54.503 | -36.3# | 149   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 36.152 | 9.6    | 92    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 36.950 | 7.6    | 88    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 36.262 | 9.3    | 87    | 0.00     |
| 58   | Fluorene                   | 40.000 | 35.111 | 12.2   | 90    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 33.176 | 17.1   | 81    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 33.560 | 16.1   | 85    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 35.588 | 11.0   | 92    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 32.943 | 17.6   | 81    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 34.251 | 14.4   | 86    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 79    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 37.695 | 5.8    | 81    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 40.734 | -1.8   | 86    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 40.885 | -2.2   | 87    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.982 | 2.5    | 84    | 0.00     |
| 69   | Atrazine                   | 40.000 | 35.174 | 12.1   | 72    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 34.590 | 13.5   | 70    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.041 | 7.4    | 80    | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.274 | 6.8    | 80    | 0.00     |
| 73   | Carbazole                  | 40.000 | 35.105 | 12.2   | 75    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 36.688 | 8.3    | 75    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 32.681 | 18.3   | 69    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 60    | 0.00     |
| 77   | Benzydine                  | 40.000 | 33.823 | 15.4   | 50    | 0.00     |
| 78   | Pyrene                     | 40.000 | 42.281 | -5.7   | 68    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 82.437 | -3.0   | 67    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.808 | -12.0  | 68    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.345 | 4.1    | 62    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.122 | 2.2    | 62    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.238 | 4.4    | 62    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.249 | -5.6   | 65    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.574 | -8.9   | 67    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 60    | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 42.039 | -5.1   | 70    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 37.466 | 6.3    | 64    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.060 | 4.8    | 62    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.260 | 4.4    | 64    | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 41.967 | -4.9   | 69    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 42.463 | -6.2   | 71    | 0.02     |

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