

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF070620\  
 Data File : BF120767.D  
 Acq On : 6 Jul 2020 9:31  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 06 11:13:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 02 18:51:52 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  | 127   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 36.992 | 7.5  | 120   | 0.02     |
| 3    | Pyridine                     | 40.000 | 37.730 | 5.7  | 120   | 0.02     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.786 | 3.0  | 125   | 0.02     |
| 5 S  | 2-Fluorophenol               | 80.000 | 75.016 | 6.2  | 119   | 0.00     |
| 6    | Aniline                      | 40.000 | 38.352 | 4.1  | 122   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 76.643 | 4.2  | 123   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 38.412 | 4.0  | 120   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 33.932 | 15.2 | 120   | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.729 | 3.2  | 125   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.777 | 3.1  | 125   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.228 | 4.4  | 121   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.525 | 3.7  | 124   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.767 | 3.1  | 123   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 38.599 | 3.5  | 123   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.735 | 3.2  | 124   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 38.443 | 3.9  | 123   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.913 | 2.7  | 124   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 38.552 | 3.6  | 126   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 38.574 | 3.6  | 121   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 131   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.416 | 4.0  | 125   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 81.419 | -1.8 | 128   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.764 | 0.6  | 126   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.255 | 4.4  | 126   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 36.174 | 9.6  | 122   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.837 | 2.9  | 126   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 38.872 | 2.8  | 127   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 38.516 | 3.7  | 124   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.314 | 4.2  | 123   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.219 | 4.5  | 125   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.244 | 4.4  | 128   | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 38.757 | 3.1  | 127   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.162 | 2.1  | 124   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.752 | -1.9 | 132   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.656 | 0.9  | 127   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.253 | 1.9  | 126   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.543 | 1.1  | 127   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 136   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.079 | 2.3  | 128   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 38.034 | 4.9  | 119   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 84.192 | -5.2 | 133   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 39.102 | 2.2  | 128   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 38.794 | 3.0  | 126   | 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) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 74.721 | 6.6   | 125   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.538 | 3.7   | 127   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.456 | 3.9   | 127   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 40.440 | -1.1  | 140   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.275 | 4.3   | 130   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.163 | 2.1   | 131   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.346 | -0.9  | 138   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.037 | 2.4   | 130   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.522 | -1.3  | 141   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 35.784 | 10.5  | 135   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.516 | 3.7   | 128   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.725 | 0.7   | 135   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.931 | -4.8  | 145   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.002 | 5.0   | 127   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.291 | -0.7  | 132   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.826 | 0.4   | 134   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.711 | 5.7   | 125   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 44.954 | -12.4 | 144   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.650 | 3.4   | 132   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 141   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 35.936 | 10.2  | 139   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.236 | 1.9   | 134   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.584 | 1.0   | 134   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.248 | -0.6  | 136   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.613 | 3.5   | 130   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.326 | -0.8  | 132   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.836 | 2.9   | 135   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.486 | 3.8   | 132   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.046 | 2.4   | 136   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 39.427 | 1.4   | 135   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.017 | -0.0  | 139   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 154   | 0.00     |
| 77   | Benzidine                  | 40.000 | 38.788 | 3.0   | 138   | 0.00     |
| 78   | Pyrene                     | 40.000 | 36.550 | 8.6   | 139   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 71.227 | 11.0  | 138   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.064 | 2.3   | 144   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 36.978 | 7.6   | 138   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.575 | 1.1   | 144   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.751 | 3.1   | 145   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 36.193 | 9.5   | 136   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.771 | 0.6   | 147   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 163   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 39.471 | 1.3   | 152   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.914 | 2.7  | 148   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.054 | -2.6 | 156   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.277 | -0.7 | 153   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.080 | -0.2 | 153   | 0.01     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 38.355 | 4.1  | 148   | 0.01     |

(#) = Out of Range

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