

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\  
 Data File : BF119164.D  
 Acq On : 2 Mar 2020 9:41  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Mar 03 07:28:07 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 26 16:03:05 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  | 99    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 34.070 | 14.8 | 89    | -0.01    |
| 3    | Pyridine                     | 40.000 | 35.863 | 10.3 | 94    | -0.01    |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.253 | 1.9  | 103   | -0.02    |
| 5 S  | 2-Fluorophenol               | 80.000 | 76.698 | 4.1  | 98    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.816 | 3.0  | 99    | -0.01    |
| 7 S  | Phenol-d6                    | 80.000 | 78.750 | 1.6  | 101   | -0.01    |
| 8    | 2-Chlorophenol               | 40.000 | 39.506 | 1.2  | 101   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 33.794 | 15.5 | 87    | -0.01    |
| 10 C | Phenol                       | 40.000 | 38.402 | 4.0  | 99    | -0.01    |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 40.329 | -0.8 | 105   | -0.01    |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.757 | 3.1  | 101   | -0.01    |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.339 | 1.7  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.594 | 1.0  | 101   | -0.01    |
| 15   | Benzyl Alcohol               | 40.000 | 42.209 | -5.5 | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.514 | -1.3 | 106   | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 39.890 | 0.3  | 103   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.541 | -1.4 | 106   | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 43.394 | -8.5 | 114   | -0.01    |
| 20   | 3+4-Methylphenols            | 40.000 | 40.663 | -1.7 | 108   | -0.01    |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 105   | -0.01    |
| 22   | Acetophenone                 | 40.000 | 40.356 | -0.9 | 111   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 78.319 | 2.1  | 108   | -0.01    |
| 24   | Nitrobenzene                 | 40.000 | 39.387 | 1.5  | 110   | -0.01    |
| 25   | Isophorone                   | 40.000 | 40.649 | -1.6 | 114   | -0.01    |
| 26 C | 2-Nitrophenol                | 40.000 | 39.503 | 1.2  | 109   | -0.01    |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.661 | 3.3  | 107   | -0.01    |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.985 | 0.0  | 111   | -0.01    |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.199 | 2.0  | 107   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.045 | 4.9  | 104   | -0.01    |
| 31   | Naphthalene                  | 40.000 | 38.659 | 3.4  | 106   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 41.652 | -4.1 | 122   | -0.01    |
| 33   | 4-Chloroaniline              | 40.000 | 39.174 | 2.1  | 107   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.204 | 2.0  | 109   | -0.01    |
| 35   | Caprolactam                  | 40.000 | 41.216 | -3.0 | 112   | -0.02    |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.691 | -1.7 | 112   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.527 | 1.2  | 109   | -0.01    |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.987 | 0.0  | 109   | -0.01    |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 110   | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.750 | 5.6  | 111   | -0.01    |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 31.016 | 22.5 | 90    | -0.01    |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 80.328 | -0.4 | 118   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 38.111 | 4.7  | 112   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 37.261 | 6.8  | 109   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 80.000 | 74.249 | 7.2   | 112   | -0.01    |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.136 | 4.7   | 111   | -0.01    |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.024 | 4.9   | 112   | -0.01    |
| 48   | 2-Nitroaniline             | 40.000 | 40.727 | -1.8  | 119   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.783 | 5.5   | 110   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 40.343 | -0.9  | 120   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.202 | 2.0   | 115   | -0.01    |
| 52 C | Acenaphthene               | 40.000 | 38.547 | 3.6   | 112   | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 38.595 | 3.5   | 112   | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.429 | 1.4   | 120   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.600 | 6.0   | 108   | -0.01    |
| 56 P | 4-Nitrophenol              | 40.000 | 35.886 | 10.3  | 103   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.052 | 4.9   | 109   | -0.01    |
| 58   | Fluorene                   | 40.000 | 39.928 | 0.2   | 115   | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.273 | 1.8   | 117   | -0.01    |
| 60   | Diethylphthalate           | 40.000 | 41.785 | -4.5  | 122   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 40.298 | -0.7  | 117   | -0.01    |
| 62   | 4-Nitroaniline             | 40.000 | 39.209 | 2.0   | 114   | -0.01    |
| 63   | Azobenzene                 | 40.000 | 40.741 | -1.9  | 120   | -0.01    |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 113   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.769 | -1.9  | 123   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.889 | 2.8   | 116   | -0.01    |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.967 | 2.6   | 118   | -0.01    |
| 68   | Hexachlorobenzene          | 40.000 | 39.052 | 2.4   | 118   | -0.01    |
| 69   | Atrazine                   | 40.000 | 38.230 | 4.4   | 116   | -0.01    |
| 70 C | Pentachlorophenol          | 40.000 | 38.935 | 2.7   | 119   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 37.844 | 5.4   | 113   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.685 | 3.3   | 114   | -0.01    |
| 73   | Carbazole                  | 40.000 | 38.646 | 3.4   | 115   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 42.141 | -5.4  | 126   | -0.01    |
| 75 C | Fluoranthene               | 40.000 | 39.050 | 2.4   | 116   | -0.01    |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 77   | Benzidine                  | 40.000 | 28.836 | 27.9# | 81    | -0.01    |
| 78   | Pyrene                     | 40.000 | 37.578 | 6.1   | 112   | -0.01    |
| 79 S | Terphenyl-d14              | 80.000 | 79.663 | 0.4   | 119   | -0.01    |
| 80   | Butylbenzylphthalate       | 40.000 | 43.403 | -8.5  | 127   | -0.01    |
| 81   | Benzo(a)anthracene         | 40.000 | 39.193 | 2.0   | 113   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.049 | 4.9   | 105   | -0.01    |
| 83   | Chrysene                   | 40.000 | 38.030 | 4.9   | 110   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 47.249 | -18.1 | 136   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 40.000 | 46.075 | -15.2 | 126   | -0.01    |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 31.024 | 22.4  | 69    | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 67    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 41.303 | -3.3 | 105   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 41.208 | -3.0 | 96    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.671 | 3.3  | 70    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 36.403 | 9.0  | 70    | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 34.096 | 14.8 | 66    | -0.01    |

(#) = Out of Range

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