

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062019\  
 Data File : BM021071.D  
 Acq On : 21 Jun 2019 02:10  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 21 04:40:20 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM062019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 20 15:39:58 2019  
 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  | 94    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 38.983 | 2.5  | 87    | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.488 | -8.7 | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 39.232 | 1.9  | 89    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.446 | 1.9  | 89    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.324 | -0.8 | 92    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 79.522 | 0.6  | 91    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.499 | 1.3  | 90    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 43.163 | -7.9 | 95    | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.753 | 0.6  | 91    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.628 | 0.9  | 91    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.143 | 2.1  | 89    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.067 | 2.3  | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.987 | 2.5  | 89    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.127 | -0.3 | 92    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 40.008 | -0.0 | 91    | -0.01    |
| 17   | 2-Methylphenol               | 40.000 | 40.056 | -0.1 | 92    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.064 | 2.3  | 88    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.744 | -1.9 | 94    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.285 | -0.7 | 93    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 97    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 38.872 | 2.8  | 93    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 77.548 | 3.1  | 93    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.108 | 2.2  | 93    | 0.00     |
| 25   | Isophorone                   | 40.000 | 39.568 | 1.1  | 94    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 38.438 | 3.9  | 90    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.296 | 1.8  | 93    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.490 | 1.3  | 94    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.023 | 2.4  | 93    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 38.248 | 4.4  | 91    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.820 | 2.9  | 93    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 42.843 | -7.1 | 103   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.591 | 1.0  | 95    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 38.247 | 4.4  | 91    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.588 | -4.0 | 108   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 39.946 | 0.1  | 97    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.604 | 1.0  | 95    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.438 | 1.4  | 95    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 105   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.707 | 5.7  | 95    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 38.250 | 4.4  | 90    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 78.679 | 1.7  | 105   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 38.369 | 4.1  | 97    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 38.691 | 3.3  | 99    | 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 | 76.128 | 4.8  | 95    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.384 | 4.0  | 97    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 37.962 | 5.1  | 96    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 39.567 | 1.1  | 102   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.836 | 2.9  | 99    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.054 | 2.4  | 103   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.268 | 1.8  | 103   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.674 | 3.3  | 99    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.361 | -0.9 | 108   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 42.431 | -6.1 | 108   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.123 | 2.2  | 101   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 40.718 | -1.8 | 111   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.322 | -0.8 | 109   | 0.00     |
| 58   | Fluorene                   | 40.000 | 39.672 | 0.8  | 104   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 39.293 | 1.8  | 103   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.562 | 1.1  | 105   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.865 | 2.8  | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 42.136 | -5.3 | 113   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 40.262 | -0.7 | 105   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 115   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.365 | 1.6  | 113   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.230 | 4.4  | 105   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.405 | 4.0  | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.400 | 4.0  | 105   | 0.00     |
| 69   | Atrazine                   | 40.000 | 42.670 | -6.7 | 111   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.081 | -0.2 | 112   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.530 | 1.2  | 111   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.644 | 0.9  | 111   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.569 | -1.4 | 116   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.957 | -2.4 | 115   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.902 | -4.8 | 119   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 134   | 0.00     |
| 77   | Benzidine                  | 40.000 | 37.231 | 6.9  | 121   | 0.00     |
| 78   | Pyrene                     | 40.000 | 37.188 | 7.0  | 121   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 72.768 | 9.0  | 120   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.262 | 4.3  | 126   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.779 | 0.6  | 127   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.661 | -1.7 | 127   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.655 | 0.9  | 126   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.692 | 0.8  | 127   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.433 | -3.6 | 126   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.336 | 11.7 | 104   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 125   | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 39.054 | 2.4  | 121   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.995 | 0.0  | 125   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.117 | 2.2  | 120   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 35.529 | 11.2 | 105   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 34.638 | 13.4 | 102   | 0.00     |

(#) = Out of Range

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