

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062220\  
 Data File : BP002474.D  
 Acq On : 22 Jun 2020 09:58  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 22 14:31:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 15:08:53 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   | 100   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 41.994 | -5.0  | 103   | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.840 | -9.6  | 109   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 45.050 | -12.6 | 107   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 81.146 | -1.4  | 98    | 0.00     |
| 6    | Aniline                      | 40.000 | 40.694 | -1.7  | 96    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.074 | -1.3  | 97    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.706 | 0.7   | 94    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 46.380 | -16.0 | 105   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.120 | -2.8  | 98    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.548 | 1.1   | 94    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.084 | 2.3   | 94    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.793 | 3.0   | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 39.106 | 2.2   | 94    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 42.426 | -6.1  | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.651 | 0.9   | 95    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.748 | -1.9  | 96    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.862 | 0.3   | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.690 | -1.7  | 96    | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.715 | -1.8  | 95    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 96    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 40.276 | -0.7  | 95    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 84.047 | -5.1  | 98    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.647 | -4.1  | 97    | 0.00     |
| 25   | Isophorone                   | 40.000 | 42.031 | -5.1  | 97    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 42.946 | -7.4  | 98    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.649 | -1.6  | 94    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.023 | -0.1  | 94    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.907 | -2.3  | 95    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.704 | 0.7   | 93    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.928 | 0.2   | 95    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 40.672 | -1.7  | 90    | 0.02     |
| 33   | 4-Chloroaniline              | 40.000 | 40.699 | -1.7  | 93    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.863 | 0.3   | 95    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 43.284 | -8.2  | 95    | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 42.061 | -5.2  | 96    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.725 | 0.7   | 93    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 40.042 | -0.1  | 94    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 104   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 36.950 | 7.6   | 95    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 35.674 | 10.8  | 89    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 90.167 | -12.7 | 112   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 37.381 | 6.5   | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 37.700 | 5.7   | 94    | 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 | 68.526 | 14.3 | 92    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.855 | 2.9  | 99    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.378 | 4.1  | 99    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 42.102 | -5.3 | 102   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.551 | 3.6  | 97    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.209 | 2.0  | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.297 | -3.2 | 101   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.857 | 2.9  | 100   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.628 | -1.6 | 98    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 39.493 | 1.3  | 95    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.721 | 5.7  | 95    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.597 | 1.0  | 93    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 41.374 | -3.4 | 99    | 0.00     |
| 58   | Fluorene                   | 40.000 | 35.462 | 11.3 | 99    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.991 | -5.0 | 103   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.460 | 3.8  | 96    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.158 | 7.1  | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.852 | -2.1 | 99    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.260 | 4.4  | 97    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 39.973 | 0.1  | 96    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.854 | 5.4  | 98    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.403 | -3.5 | 105   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.999 | -5.0 | 108   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.585 | 3.5  | 95    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 42.267 | -5.7 | 101   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.296 | 4.3  | 98    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.553 | 3.6  | 100   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.024 | 2.4  | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.091 | 4.8  | 96    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 40.362 | -0.9 | 102   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 107   | 0.00     |
| 77   | Benzidine                  | 40.000 | 38.288 | 4.3  | 92    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.204 | -0.5 | 103   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 81.647 | -2.1 | 110   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.602 | 3.5  | 97    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.015 | -0.0 | 104   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.723 | -4.3 | 102   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.845 | 2.9  | 102   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 35.982 | 10.0 | 92    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 36.329 | 9.2  | 92    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 108   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.159 | -0.4 | 106   | 0.01     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.635 | 3.4  | 99    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 37.029 | 7.4  | 101   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 39.262 | 1.8  | 103   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 39.880 | 0.3  | 105   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 40.803 | -2.0 | 107   | 0.01     |

(#) = Out of Range

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