

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121019\  
 Data File : BP001305.D  
 Acq On : 10 Dec 2019 20:25  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 11 08:28:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 05 12:34:47 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    | 71    | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 34.957 | 12.6   | 64    | 0.02     |
| 3    | Pyridine                     | 40.000 | 34.497 | 13.8   | 63    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 51.202 | -28.0# | 96    | 0.04     |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.514 | -0.6   | 72    | 0.00     |
| 6    | Aniline                      | 40.000 | 39.694 | 0.8    | 74    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 81.656 | -2.1   | 75    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 40.818 | -2.0   | 74    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 41.786 | -4.5   | 75    | 0.00     |
| 10 C | Phenol                       | 40.000 | 40.267 | -0.7   | 74    | 0.01     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 38.409 | 4.0    | 71    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 42.706 | -6.8   | 78    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 42.451 | -6.1   | 77    | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 43.200 | -8.0   | 78    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 47.506 | -18.8  | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 38.299 | 4.3    | 71    | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.153 | 2.1    | 73    | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 44.121 | -10.3  | 81    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.085 | -5.2   | 80    | 0.01     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.521 | -3.8   | 77    | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0    | 70    | 0.00     |
| 22   | Acetophenone                 | 40.000 | 43.691 | -9.2   | 79    | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 91.448 | -14.3  | 82    | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 44.072 | -10.2  | 79    | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.362 | -3.4   | 76    | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 44.795 | -12.0  | 78    | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.433 | -1.1   | 73    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.736 | 0.7    | 72    | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 43.689 | -9.2   | 78    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 45.695 | -14.2  | 82    | 0.00     |
| 31   | Naphthalene                  | 40.000 | 42.105 | -5.3   | 75    | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 37.024 | 7.4    | 64    | 0.05     |
| 33   | 4-Chloroaniline              | 40.000 | 39.799 | 0.5    | 72    | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 51.724 | -29.3# | 92    | 0.00     |
| 35   | Caprolactam                  | 40.000 | 36.393 | 9.0    | 68    | 0.04     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 43.287 | -8.2   | 79    | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 43.566 | -8.9   | 78    | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 43.108 | -7.8   | 78    | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0    | 73    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 47.611 | -19.0  | 88    | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 52.278 | -30.7# | 93    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 98.885 | -23.6  | 91    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 44.495 | -11.2  | 82    | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 43.836 | -9.6   | 81    | 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 | 95.130 | -18.9  | 87    | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 43.577 | -8.9   | 80    | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 43.846 | -9.6   | 81    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 44.215 | -10.5  | 84    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 41.736 | -4.3   | 77    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 43.376 | -8.4   | 81    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.656 | -4.1   | 78    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 42.193 | -5.5   | 79    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 36.787 | 8.0    | 69    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 51.086 | -27.7# | 107   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 43.382 | -8.5   | 80    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 36.691 | 8.3    | 69    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.127 | -10.3  | 80    | 0.00     |
| 58   | Fluorene                   | 40.000 | 43.380 | -8.5   | 80    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 44.123 | -10.3  | 82    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 43.142 | -7.9   | 82    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 45.488 | -13.7  | 85    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.219 | -0.5   | 76    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.415 | -3.5   | 78    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 72    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 45.291 | -13.2  | 90    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.385 | -6.0   | 79    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 44.823 | -12.1  | 82    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 45.866 | -14.7  | 85    | 0.00     |
| 69   | Atrazine                   | 40.000 | 42.535 | -6.3   | 77    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 45.663 | -14.2  | 82    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 42.534 | -6.3   | 78    | 0.00     |
| 72   | Anthracene                 | 40.000 | 42.674 | -6.7   | 78    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.910 | -2.3   | 75    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 44.169 | -10.4  | 79    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 42.675 | -6.7   | 76    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 67    | 0.00     |
| 77   | Benzidine                  | 40.000 | 41.319 | -3.3   | 58    | 0.00     |
| 78   | Pyrene                     | 40.000 | 41.443 | -3.6   | 75    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 93.690 | -17.1  | 83    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.833 | -7.1   | 74    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 41.635 | -4.1   | 73    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 42.319 | -5.8   | 70    | 0.00     |
| 83   | Chrysene                   | 40.000 | 43.571 | -8.9   | 75    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.657 | -14.1  | 77    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 41.379 | -3.4   | 70    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.667 | 8.3    | 64    | -0.01    |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 61    | 0.00     |

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|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 42.549 | -6.4 | 67    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 43.809 | -9.5 | 68    | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 42.341 | -5.9 | 66    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 40.967 | -2.4 | 64    | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 39.088 | 2.3  | 62    | -0.01    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 1