

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121821\  
 Data File : BP008488.D  
 Acq On : 18 Dec 2021 14:24  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 20 04:19:22 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP121421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 18 06:49:58 2021  
 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   | 86    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 46.514 | -16.3 | 90    | 0.00     |
| 3    | Pyridine                    | 40.000 | 42.250 | -5.6  | 89    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 45.224 | -13.1 | 96    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 79.004 | 1.2   | 84    | 0.00     |
| 6    | Aniline                     | 40.000 | 42.310 | -5.8  | 86    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 84.338 | -5.4  | 86    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.451 | -3.6  | 85    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 41.525 | -3.8  | 85    | 0.00     |
| 10 C | Phenol                      | 40.000 | 41.965 | -4.9  | 86    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 40.432 | -1.1  | 88    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.462 | 1.3   | 83    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.040 | -0.1  | 84    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.125 | -0.3  | 84    | -0.01    |
| 15   | Benzyl Alcohol              | 40.000 | 43.595 | -9.0  | 85    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 42.731 | -6.8  | 92    | -0.02    |
| 17   | 2-Methylphenol              | 40.000 | 43.123 | -7.8  | 87    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 41.048 | -2.6  | 87    | -0.01    |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 42.483 | -6.2  | 90    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 43.308 | -8.3  | 87    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 92    | 0.00     |
| 22   | Acetophenone                | 40.000 | 38.996 | 2.5   | 88    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 78.472 | 1.9   | 88    | -0.01    |
| 24   | Nitrobenzene                | 40.000 | 39.636 | 0.9   | 89    | 0.00     |
| 25   | Isophorone                  | 40.000 | 41.618 | -4.0  | 93    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 40.108 | -0.3  | 89    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.029 | -0.1  | 89    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.770 | -1.9  | 90    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 39.420 | 1.4   | 87    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.507 | 3.7   | 88    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.988 | 2.5   | 89    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 42.769 | -6.9  | 86    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 41.627 | -4.1  | 92    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.306 | 6.7   | 85    | -0.01    |
| 35   | Caprolactam                 | 40.000 | 49.292 | -23.2 | 108   | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 43.285 | -8.2  | 95    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.926 | -2.3  | 91    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 41.576 | -3.9  | 92    | -0.01    |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 107   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 34.667 | 13.3  | 91    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 41.102 | -2.8  | 113   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 84.831 | -6.0  | 111   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 36.812 | 8.0   | 93    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 36.858 | 7.9   | 94    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 72.439 | 9.5   | 94    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 36.945 | 7.6   | 96    | -0.01    |

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

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 47   | 2-Chloronaphthalene        | 40.000 | 36.666 | 8.3   | 96    | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 40.804 | -2.0  | 104   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 38.452 | 3.9   | 100   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 41.317 | -3.3  | 108   | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.326 | -3.3  | 108   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.775 | 3.1   | 100   | -0.01    |
| 53   | 3-Nitroaniline             | 40.000 | 43.429 | -8.6  | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 46.013 | -15.0 | 115   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.370 | 1.6   | 104   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 42.521 | -6.3  | 105   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 44.044 | -10.1 | 116   | 0.00     |
| 58   | Fluorene                   | 40.000 | 40.394 | -1.0  | 107   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 41.119 | -2.8  | 108   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 43.892 | -9.7  | 117   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.850 | 0.4   | 105   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 46.744 | -16.9 | 122   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 43.003 | -7.5  | 112   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 125   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 43.953 | -9.9  | 125   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.191 | 7.0   | 112   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 36.493 | 8.8   | 110   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 36.500 | 8.8   | 111   | 0.00     |
| 69   | Atrazine                   | 40.000 | 42.708 | -6.8  | 125   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.749 | -1.9  | 117   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.684 | 3.3   | 120   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.212 | 2.0   | 121   | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.847 | -2.1  | 128   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 44.994 | -12.5 | 141   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 43.281 | -8.2  | 140   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 168   | 0.00     |
| 77   | Benzidine                  | 40.000 | 48.647 | -21.6 | 184   | 0.00     |
| 78   | Pyrene                     | 40.000 | 33.977 | 15.1  | 143   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 74.634 | 6.7   | 150   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.130 | -2.8  | 171   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.251 | 4.4   | 158   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 39.684 | 0.8   | 165   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.181 | 4.5   | 160   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.610 | -9.0  | 180   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.933 | -9.8  | 182   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 156   | -0.01    |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 33.596 | 16.0  | 127   | -0.01    |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.967 | 0.1   | 154   | -0.01    |
| 89   | Benzo(k)fluoranthene       | 40.000 | 41.493 | -3.7  | 159   | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.494 | 1.3   | 152   | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 33.474 | 16.3  | 126   | -0.02    |

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|----|----------------------|--------|--------|------|-------|----------|
| 92 | Benzo(g,h,i)perylene | 40.000 | 31.652 | 20.9 | 119   | -0.02    |

(#) = Out of Range

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