

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071420\  
 Data File : BP002741.D  
 Acq On : 14 Jul 2020 10:09  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 14 12:01:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 13 10:54:03 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   | 108   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 42.557 | -6.4  | 119   | 0.00     |
| 3    | Pyridine                     | 40.000 | 43.777 | -9.4  | 120   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 43.954 | -9.9  | 120   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 80.783 | -1.0  | 112   | 0.00     |
| 6    | Aniline                      | 40.000 | 41.856 | -4.6  | 114   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 82.134 | -2.7  | 113   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.750 | 0.6   | 110   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 37.771 | 5.6   | 117   | 0.00     |
| 10 C | Phenol                       | 40.000 | 41.439 | -3.6  | 114   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 42.068 | -5.2  | 117   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.559 | 3.6   | 108   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 38.613 | 3.5   | 108   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.576 | 3.6   | 107   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 44.127 | -10.3 | 118   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.573 | -3.9  | 116   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 41.454 | -3.6  | 113   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 40.238 | -0.6  | 112   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.174 | -5.4  | 115   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 42.022 | -5.1  | 114   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.836 | 0.4   | 113   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 82.423 | -3.0  | 116   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 41.256 | -3.1  | 116   | 0.00     |
| 25   | Isophorone                   | 40.000 | 41.846 | -4.6  | 118   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 41.603 | -4.0  | 114   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 40.118 | -0.3  | 114   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 41.457 | -3.6  | 118   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 39.904 | 0.2   | 111   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 37.870 | 5.3   | 108   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.745 | 3.1   | 112   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 38.705 | 3.2   | 120   | 0.01     |
| 33   | 4-Chloroaniline              | 40.000 | 40.112 | -0.3  | 113   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 37.786 | 5.5   | 108   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 41.146 | -2.9  | 118   | 0.01     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 41.201 | -3.0  | 115   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 38.833 | 2.9   | 111   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.522 | 3.7   | 110   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 112   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 38.532 | 3.7   | 111   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 39.114 | 2.2   | 119   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 80.731 | -0.9  | 110   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.644 | -1.6  | 111   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 39.913 | 0.2   | 109   | 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 | 74.101 | 7.4   | 105   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.647 | 3.4   | 110   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.333 | 4.2   | 109   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 44.108 | -10.3 | 120   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.142 | 2.1   | 111   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.059 | 2.4   | 111   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 40.965 | -2.4  | 113   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.816 | 3.0   | 111   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 42.117 | -5.3  | 114   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 40.264 | -0.7  | 134   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.377 | 4.1   | 110   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.811 | 0.5   | 117   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 42.470 | -6.2  | 113   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.861 | 5.3   | 106   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.945 | -2.4  | 114   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.374 | 1.6   | 111   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.066 | 7.3   | 104   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.847 | 0.4   | 114   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 41.759 | -4.4  | 118   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 113   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 40.016 | -0.0  | 118   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.521 | 3.7   | 108   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.324 | 1.7   | 111   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.583 | 3.5   | 109   | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.175 | -0.4  | 109   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.936 | -2.3  | 125   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.870 | 2.8   | 110   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.513 | 1.2   | 110   | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.221 | 1.9   | 109   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.666 | -4.2  | 113   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.850 | 2.9   | 108   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 108   | 0.00     |
| 77   | Benzidine                  | 40.000 | 42.674 | -6.7  | 110   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.805 | 0.5   | 108   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 76.966 | 3.8   | 105   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.719 | -9.3  | 114   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.631 | 0.9   | 106   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 43.070 | -7.7  | 111   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.201 | 2.0   | 107   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.599 | -9.0  | 112   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 44.096 | -10.2 | 116   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 115   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.351 | -3.4  | 114   | 0.01     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 41.149 | -2.9 | 114   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 39.721 | 0.7  | 110   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 40.749 | -1.9 | 113   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 41.175 | -2.9 | 112   | 0.01     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 41.635 | -4.1 | 117   | 0.01     |

(#) = Out of Range

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