

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\  
 Data File : BG039196.D  
 Acq On : 17 Jan 2019 21:16  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 18 04:52:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 18 04:20:14 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   | 105   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.078 | 7.3   | 98    | 0.00     |
| 3    | Pyridine                     | 40.000 | 34.651 | 13.4  | 88    | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 37.782 | 5.5   | 95    | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 73.663 | 7.9   | 93    | 0.00     |
| 6    | Aniline                      | 40.000 | 38.104 | 4.7   | 96    | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 76.803 | 4.0   | 97    | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.357 | 1.6   | 99    | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 33.311 | 16.7  | 92    | 0.00     |
| 10 C | Phenol                       | 40.000 | 38.429 | 3.9   | 97    | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 37.892 | 5.3   | 96    | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 38.082 | 4.8   | 99    | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.086 | 2.3   | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.361 | 4.1   | 99    | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.615 | -1.5  | 100   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 41.719 | -4.3  | 108   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 39.993 | 0.0   | 100   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 38.103 | 4.7   | 98    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 42.494 | -6.2  | 110   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 41.481 | -3.7  | 104   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0   | 106   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.813 | 0.5   | 105   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 83.424 | -4.3  | 110   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 38.317 | 4.2   | 102   | 0.00     |
| 25   | Isophorone                   | 40.000 | 38.927 | 2.7   | 103   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.359 | -0.9  | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 38.246 | 4.4   | 100   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 40.375 | -0.9  | 106   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.417 | -1.0  | 104   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.071 | 2.3   | 104   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 39.168 | 2.1   | 105   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 28.798 | 28.0# | 76    | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.262 | 1.8   | 102   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.618 | 1.0   | 104   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 38.757 | 3.1   | 103   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.755 | -1.9  | 108   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 41.071 | -2.7  | 110   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 38.824 | 2.9   | 104   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0   | 110   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 37.869 | 5.3   | 103   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 32.211 | 19.5  | 87    | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 74.933 | 6.3   | 101   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 38.661 | 3.3   | 103   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 38.705 | 3.2   | 102   | 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 | 77.715 | 2.9  | 107   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.446 | 3.9  | 105   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 38.019 | 5.0  | 104   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 40.295 | -0.7 | 106   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.679 | 5.8  | 103   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.340 | 6.6  | 103   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.699 | 3.3  | 105   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.776 | 5.6  | 105   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 37.273 | 6.8  | 101   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 32.458 | 18.9 | 86    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.644 | 3.4  | 107   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 35.291 | 11.8 | 93    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.046 | 4.9  | 105   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.348 | 4.1  | 106   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.084 | 4.8  | 104   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 36.947 | 7.6  | 103   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.636 | 3.4  | 105   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 37.473 | 6.3  | 99    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.193 | 2.0  | 110   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 109   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.882 | 7.8  | 98    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.292 | 4.3  | 102   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.118 | 2.2  | 105   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 37.268 | 6.8  | 102   | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.628 | 0.9  | 105   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.544 | 16.1 | 89    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.178 | 4.6  | 103   | 0.00     |
| 72   | Anthracene                 | 40.000 | 37.679 | 5.8  | 102   | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.508 | 6.2  | 102   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.723 | 3.2  | 105   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 37.648 | 5.9  | 102   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 115   | 0.00     |
| 77   | Benzidine                  | 40.000 | 33.053 | 17.4 | 87    | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.877 | 2.8  | 110   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 70.752 | 11.6 | 103   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 36.725 | 8.2  | 104   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 37.035 | 7.4  | 105   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.419 | 6.5  | 105   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.848 | 0.4  | 113   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.810 | 3.0  | 110   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 36.889 | 7.8  | 103   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.584 | 6.0  | 104   | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 109   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 38.357 | 4.1  | 105   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.188 | 4.5  | 102   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.715 | 3.2  | 105   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 38.717 | 3.2  | 105   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 40.000 | 37.759 | 5.6  | 103   | 0.00     |

(#) = Out of Range

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