

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102418\  
 Data File : BN003288.D  
 Acq On : 25 Oct 2018 00:59  
 Operator : MJ/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 25 05:26:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-BN102418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 24 14:21:25 2018  
 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  | 111   | 0.00     |
| 2    | 1,4-Dioxane                  | 40.000 | 37.664 | 5.8  | 107   | 0.00     |
| 3    | Pyridine                     | 40.000 | 40.943 | -2.4 | 107   | 0.00     |
| 4    | n-Nitrosodimethylamine       | 40.000 | 38.624 | 3.4  | 108   | 0.00     |
| 5 S  | 2-Fluorophenol               | 80.000 | 78.185 | 2.3  | 107   | 0.00     |
| 6    | Aniline                      | 40.000 | 40.509 | -1.3 | 110   | 0.00     |
| 7 S  | Phenol-d6                    | 80.000 | 80.145 | -0.2 | 109   | 0.00     |
| 8    | 2-Chlorophenol               | 40.000 | 39.495 | 1.3  | 109   | 0.00     |
| 9    | Benzaldehyde                 | 40.000 | 38.792 | 3.0  | 107   | 0.00     |
| 10 C | Phenol                       | 40.000 | 39.901 | 0.2  | 108   | 0.00     |
| 11   | bis(2-Chloroethyl)ether      | 40.000 | 39.337 | 1.7  | 108   | 0.00     |
| 12   | 1,3-Dichlorobenzene          | 40.000 | 39.245 | 1.9  | 108   | 0.00     |
| 13 C | 1,4-Dichlorobenzene          | 40.000 | 39.305 | 1.7  | 109   | 0.00     |
| 14   | 1,2-Dichlorobenzene          | 40.000 | 38.812 | 3.0  | 107   | 0.00     |
| 15   | Benzyl Alcohol               | 40.000 | 40.380 | -1.0 | 113   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane) | 40.000 | 39.333 | 1.7  | 110   | 0.00     |
| 17   | 2-Methylphenol               | 40.000 | 40.008 | -0.0 | 109   | 0.00     |
| 18   | Hexachloroethane             | 40.000 | 39.028 | 2.4  | 109   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine   | 40.000 | 40.622 | -1.6 | 111   | 0.00     |
| 20   | 3+4-Methylphenols            | 40.000 | 40.210 | -0.5 | 109   | 0.00     |
| 21 I | Naphthalene-d8               | 20.000 | 20.000 | 0.0  | 113   | 0.00     |
| 22   | Acetophenone                 | 40.000 | 39.950 | 0.1  | 111   | 0.00     |
| 23 S | Nitrobenzene-d5              | 80.000 | 79.182 | 1.0  | 110   | 0.00     |
| 24   | Nitrobenzene                 | 40.000 | 39.535 | 1.2  | 110   | 0.00     |
| 25   | Isophorone                   | 40.000 | 40.282 | -0.7 | 112   | 0.00     |
| 26 C | 2-Nitrophenol                | 40.000 | 40.444 | -1.1 | 110   | 0.00     |
| 27   | 2,4-Dimethylphenol           | 40.000 | 39.314 | 1.7  | 109   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane   | 40.000 | 39.922 | 0.2  | 112   | 0.00     |
| 29 C | 2,4-Dichlorophenol           | 40.000 | 40.622 | -1.6 | 111   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene       | 40.000 | 39.108 | 2.2  | 110   | 0.00     |
| 31   | Naphthalene                  | 40.000 | 38.933 | 2.7  | 110   | 0.00     |
| 32   | Benzoic acid                 | 40.000 | 36.357 | 9.1  | 104   | 0.00     |
| 33   | 4-Chloroaniline              | 40.000 | 39.707 | 0.7  | 111   | 0.00     |
| 34 C | Hexachlorobutadiene          | 40.000 | 39.265 | 1.8  | 110   | 0.00     |
| 35   | Caprolactam                  | 40.000 | 40.997 | -2.5 | 109   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol      | 40.000 | 40.396 | -1.0 | 111   | 0.00     |
| 37   | 2-Methylnaphthalene          | 40.000 | 39.450 | 1.4  | 111   | 0.00     |
| 38   | 1-Methylnaphthalene          | 40.000 | 39.279 | 1.8  | 111   | 0.00     |
| 39 I | Acenaphthene-d10             | 20.000 | 20.000 | 0.0  | 116   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene   | 40.000 | 39.275 | 1.8  | 111   | 0.00     |
| 41 P | Hexachlorocyclopentadiene    | 40.000 | 38.847 | 2.9  | 117   | 0.00     |
| 42 S | 2,4,6-Tribromophenol         | 80.000 | 80.226 | -0.3 | 113   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol        | 40.000 | 40.015 | -0.0 | 112   | 0.00     |
| 44   | 2,4,5-Trichlorophenol        | 40.000 | 40.182 | -0.5 | 115   | 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 | 77.346 | 3.3  | 111   | 0.00     |
| 46   | 1,1'-Biphenyl              | 40.000 | 38.847 | 2.9  | 112   | 0.00     |
| 47   | 2-Chloronaphthalene        | 40.000 | 39.043 | 2.4  | 111   | 0.00     |
| 48   | 2-Nitroaniline             | 40.000 | 40.488 | -1.2 | 111   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.210 | 2.0  | 112   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 38.738 | 3.2  | 112   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.408 | 1.5  | 112   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 38.980 | 2.6  | 112   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.041 | -0.1 | 111   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.026 | 9.9  | 105   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.342 | 4.1  | 111   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.662 | 5.8  | 109   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.185 | -0.5 | 112   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.619 | 3.5  | 111   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 40.226 | -0.6 | 114   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.295 | 1.8  | 113   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.998 | 2.5  | 113   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 40.987 | -2.5 | 110   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 39.283 | 1.8  | 113   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 117   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 38.778 | 3.1  | 111   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.520 | 3.7  | 112   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.154 | 2.1  | 112   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.660 | 3.4  | 111   | 0.00     |
| 69   | Atrazine                   | 40.000 | 39.321 | 1.7  | 111   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 41.376 | -3.4 | 125   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.383 | 4.0  | 111   | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.721 | 3.2  | 111   | 0.00     |
| 73   | Carbazole                  | 40.000 | 38.535 | 3.7  | 111   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.654 | 3.4  | 111   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 38.511 | 3.7  | 112   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 117   | 0.00     |
| 77   | Benzidine                  | 40.000 | 42.536 | -6.3 | 123   | 0.00     |
| 78   | Pyrene                     | 40.000 | 38.466 | 3.8  | 112   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 76.299 | 4.6  | 110   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 38.434 | 3.9  | 110   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 37.754 | 5.6  | 109   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 37.720 | 5.7  | 108   | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.222 | 4.4  | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.207 | 4.5  | 111   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 37.435 | 6.4  | 108   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 40.000 | 35.282 | 11.8 | 99    | 0.00     |
| 87 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 111   | 0.00     |

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|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 40.000 | 37.889 | 5.3  | 105   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 40.000 | 38.679 | 3.3  | 110   | 0.00     |
| 90 C | Benzo(a)pyrene         | 40.000 | 38.127 | 4.7  | 106   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 40.000 | 36.142 | 9.6  | 99    | 0.00     |
| 92   | Benzo(g,h,i)perylene   | 40.000 | 35.988 | 10.0 | 98    | 0.00     |

(#) = Out of Range

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