

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111218\  
 Data File : BG037939.D  
 Acq On : 12 Nov 2018 11:22  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 12 11:58:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 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                    | AvqRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 95    | -0.02    |
| 2    | 1,4-Dioxane                 | 0.607 | 0.595 | 2.0  | 96    | 0.00     |
| 3    | Pyridine                    | 1.529 | 1.447 | 5.4  | 91    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.545 | 0.539 | 1.1  | 96    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.196 | 1.159 | 3.1  | 93    | -0.01    |
| 6    | Aniline                     | 2.207 | 2.157 | 2.3  | 94    | -0.01    |
| 7 S  | Phenol-d6                   | 1.809 | 1.745 | 3.5  | 92    | -0.01    |
| 8    | 2-Chlorophenol              | 1.399 | 1.372 | 1.9  | 94    | -0.02    |
| 9    | Benzaldehyde                | 1.132 | 0.975 | 13.9 | 83    | -0.02    |
| 10 C | Phenol                      | 1.909 | 1.852 | 3.0  | 93    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.450 | 1.383 | 4.6  | 92    | -0.02    |
| 12   | 1,3-Dichlorobenzene         | 1.558 | 1.549 | 0.6  | 96    | -0.02    |
| 13 C | 1,4-Dichlorobenzene         | 1.594 | 1.566 | 1.8  | 95    | -0.02    |
| 14   | 1,2-Dichlorobenzene         | 1.533 | 1.491 | 2.7  | 94    | -0.01    |
| 15   | Benzyl Alcohol              | 1.337 | 1.251 | 6.4  | 88    | -0.01    |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.594 | 2.563 | 1.2  | 95    | -0.03    |
| 17   | 2-Methylphenol              | 1.262 | 1.213 | 3.9  | 90    | -0.01    |
| 18   | Hexachloroethane            | 0.543 | 0.555 | -2.2 | 98    | -0.02    |
| 19 P | n-Nitroso-di-n-propylamine  | 1.246 | 1.158 | 7.1  | 87    | -0.02    |
| 20   | 3+4-Methylphenols           | 1.804 | 1.746 | 3.2  | 92    | -0.01    |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 94    | -0.02    |
| 22   | Acetophenone                | 0.502 | 0.483 | 3.8  | 91    | -0.01    |
| 23 S | Nitrobenzene-d5             | 0.357 | 0.362 | -1.4 | 95    | -0.01    |
| 24   | Nitrobenzene                | 0.371 | 0.373 | -0.5 | 94    | -0.02    |
| 25   | Isophorone                  | 0.652 | 0.628 | 3.7  | 88    | -0.03    |
| 26 C | 2-Nitrophenol               | 0.167 | 0.176 | -5.4 | 96    | -0.02    |
| 27   | 2,4-Dimethylphenol          | 0.298 | 0.284 | 4.7  | 89    | -0.01    |
| 28   | bis(2-Chloroethoxy)methane  | 0.427 | 0.423 | 0.9  | 92    | -0.02    |
| 29 C | 2,4-Dichlorophenol          | 0.332 | 0.332 | 0.0  | 93    | -0.01    |
| 30   | 1,2,4-Trichlorobenzene      | 0.361 | 0.359 | 0.6  | 95    | -0.02    |
| 31   | Naphthalene                 | 0.982 | 0.968 | 1.4  | 94    | -0.02    |
| 32   | Benzoic acid                | 0.194 | 0.179 | 7.7  | 84    | -0.02    |
| 33   | 4-Chloroaniline             | 0.462 | 0.451 | 2.4  | 91    | -0.02    |
| 34 C | Hexachlorobutadiene         | 0.214 | 0.218 | -1.9 | 95    | -0.03    |
| 35   | Caprolactam                 | 0.133 | 0.124 | 6.8  | 84    | -0.01    |
| 36 C | 4-Chloro-3-methylphenol     | 0.375 | 0.358 | 4.5  | 89    | -0.01    |
| 37   | 2-Methylnaphthalene         | 0.716 | 0.709 | 1.0  | 92    | -0.02    |
| 38   | 1-Methylnaphthalene         | 0.695 | 0.683 | 1.7  | 93    | -0.02    |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 91    | -0.01    |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.645 | 0.686 | -6.4 | 97    | -0.02    |
| 41 P | Hexachlorocyclopentadiene   | 0.308 | 0.320 | -3.9 | 92    | -0.01    |
| 42 S | 2,4,6-Tribromophenol        | 0.218 | 0.208 | 4.6  | 82    | -0.01    |
| 43 C | 2,4,6-Trichlorophenol       | 0.431 | 0.433 | -0.5 | 88    | -0.01    |
| 44   | 2,4,5-Trichlorophenol       | 0.469 | 0.466 | 0.6  | 87    | -0.01    |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.326 | 1.340 | -1.1  | 93    | -0.02    |
| 46   | 1,1'-Biphenyl              | 1.656 | 1.692 | -2.2  | 94    | -0.02    |
| 47   | 2-Chloronaphthalene        | 1.253 | 1.274 | -1.7  | 93    | -0.02    |
| 48   | 2-Nitroaniline             | 0.380 | 0.397 | -4.5  | 93    | -0.01    |
| 49   | Acenaphthylene             | 1.885 | 1.919 | -1.8  | 92    | -0.01    |
| 50   | Dimethylphthalate          | 1.547 | 1.514 | 2.1   | 88    | -0.01    |
| 51   | 2,6-Dinitrotoluene         | 0.342 | 0.350 | -2.3  | 90    | -0.01    |
| 52 C | Acenaphthene               | 1.161 | 1.146 | 1.3   | 91    | -0.02    |
| 53   | 3-Nitroaniline             | 0.380 | 0.378 | 0.5   | 87    | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 0.100 | 0.110 | -10.0 | 101   | -0.01    |
| 55   | Dibenzofuran               | 1.923 | 1.899 | 1.2   | 91    | -0.02    |
| 56 P | 4-Nitrophenol              | 0.281 | 0.229 | 18.5  | 71    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.449 | 0.475 | -5.8  | 91    | -0.01    |
| 58   | Fluorene                   | 1.440 | 1.415 | 1.7   | 90    | -0.01    |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.402 | 0.378 | 6.0   | 84    | -0.01    |
| 60   | Diethylphthalate           | 1.588 | 1.549 | 2.5   | 88    | -0.02    |
| 61   | 4-Chlorophenyl-phenylether | 0.840 | 0.818 | 2.6   | 89    | -0.02    |
| 62   | 4-Nitroaniline             | 0.378 | 0.361 | 4.5   | 83    | -0.01    |
| 63   | Azobenzene                 | 1.516 | 1.464 | 3.4   | 89    | -0.02    |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 85    | -0.01    |
| 65   | 4,6-Dinitro-2-methylphenol | 0.093 | 0.092 | 1.1   | 83    | -0.01    |
| 66 c | n-Nitrosodiphenylamine     | 0.602 | 0.618 | -2.7  | 87    | -0.02    |
| 67   | 4-Bromophenyl-phenylether  | 0.220 | 0.231 | -5.0  | 90    | -0.01    |
| 68   | Hexachlorobenzene          | 0.228 | 0.228 | 0.0   | 85    | -0.01    |
| 69   | Atrazine                   | 0.218 | 0.202 | 7.3   | 77    | -0.02    |
| 70 C | Pentachlorophenol          | 0.152 | 0.133 | 12.5  | 72    | -0.01    |
| 71   | Phenanthrene               | 1.016 | 1.024 | -0.8  | 87    | -0.02    |
| 72   | Anthracene                 | 0.998 | 1.015 | -1.7  | 87    | -0.01    |
| 73   | Carbazole                  | 0.998 | 0.996 | 0.2   | 84    | -0.01    |
| 74   | Di-n-butylphthalate        | 1.110 | 1.133 | -2.1  | 85    | -0.02    |
| 75 C | Fluoranthene               | 1.153 | 1.142 | 1.0   | 84    | -0.01    |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 85    | -0.02    |
| 77   | Benzidine                  | 0.680 | 0.812 | -19.4 | 98    | -0.01    |
| 78   | Pyrene                     | 1.307 | 1.315 | -0.6  | 85    | 0.00     |
| 79 S | Terphenyl-d14              | 0.936 | 0.939 | -0.3  | 85    | -0.01    |
| 80   | Butylbenzylphthalate       | 0.535 | 0.559 | -4.5  | 85    | -0.02    |
| 81   | Benzo(a)anthracene         | 1.183 | 1.193 | -0.8  | 85    | -0.01    |
| 82   | 3,3'-Dichlorobenzidine     | 0.459 | 0.440 | 4.1   | 78    | -0.01    |
| 83   | Chrysene                   | 1.138 | 1.143 | -0.4  | 85    | -0.02    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.750 | 0.808 | -7.7  | 87    | -0.03    |
| 85 c | Di-n-octyl phthalate       | 1.223 | 1.312 | -7.3  | 87    | -0.04    |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.220 | 0.997 | 18.3  | 68    | -0.04    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 82    | -0.03    |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.096 | 1.101 | -0.5 | 81    | -0.03    |
| 89   | Benzo(k)fluoranthene   | 1.074 | 1.130 | -5.2 | 85    | -0.03    |
| 90 C | Benzo(a)pyrene         | 1.042 | 1.054 | -1.2 | 82    | -0.03    |
| 91   | Dibenzo(a,h)anthracene | 0.961 | 0.771 | 19.8 | 64    | -0.05    |
| 92   | Benzo(q,h,i)perylene   | 0.972 | 0.851 | 12.4 | 71    | -0.06    |

(#) = Out of Range

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