

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073120\  
 Data File : BG046135.D  
 Acq On : 31 Jul 2020 22:51  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jul 31 23:43:59 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 30 18:43:49 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.524 | 0.543 | -3.6  | 88    | 0.00     |
| 3    | Pyridine                    | 1.442 | 1.520 | -5.4  | 88    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.614 | 0.694 | -13.0 | 92    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.151 | 1.223 | -6.3  | 88    | 0.00     |
| 6    | Aniline                     | 1.866 | 1.900 | -1.8  | 86    | 0.00     |
| 7 S  | Phenol-d6                   | 1.568 | 1.648 | -5.1  | 88    | 0.00     |
| 8    | 2-Chlorophenol              | 1.272 | 1.295 | -1.8  | 87    | 0.00     |
| 9    | Benzaldehyde                | 0.930 | 1.018 | -9.5  | 91    | 0.00     |
| 10 C | Phenol                      | 1.575 | 1.635 | -3.8  | 89    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.253 | 1.290 | -3.0  | 88    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.541 | 1.568 | -1.8  | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.548 | 1.570 | -1.4  | 87    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.460 | 1.467 | -0.5  | 86    | 0.00     |
| 15   | Benzyl Alcohol              | 1.083 | 1.181 | -9.0  | 91    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.054 | 2.222 | -8.2  | 93    | 0.00     |
| 17   | 2-Methylphenol              | 1.064 | 1.111 | -4.4  | 88    | 0.00     |
| 18   | Hexachloroethane            | 0.518 | 0.550 | -6.2  | 92    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.020 | 1.082 | -6.1  | 90    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.456 | 1.536 | -5.5  | 89    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 22   | Acetophenone                | 0.513 | 0.530 | -3.3  | 86    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.369 | 0.399 | -8.1  | 90    | 0.00     |
| 24   | Nitrobenzene                | 0.394 | 0.419 | -6.3  | 89    | 0.00     |
| 25   | Isophorone                  | 0.735 | 0.793 | -7.9  | 89    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.178 | 0.204 | -14.6 | 90    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.290 | 0.306 | -5.5  | 87    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.400 | 0.415 | -3.7  | 87    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.342 | 0.363 | -6.1  | 86    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.400 | 0.406 | -1.5  | 85    | 0.00     |
| 31   | Naphthalene                 | 1.058 | 1.108 | -4.7  | 87    | 0.00     |
| 32   | Benzoic acid                | 0.178 | 0.206 | -15.7 | 93    | -0.01    |
| 33   | 4-Chloroaniline             | 0.432 | 0.458 | -6.0  | 87    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.266 | 0.274 | -3.0  | 85    | 0.00     |
| 35   | Caprolactam                 | 0.112 | 0.133 | -18.8 | 94    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.335 | 0.375 | -11.9 | 91    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.814 | 0.845 | -3.8  | 87    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.771 | 0.799 | -3.6  | 87    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 87    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.721 | 0.731 | -1.4  | 86    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.413 | 0.418 | -1.2  | 83    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.307 | 0.347 | -13.0 | 93    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.460 | 0.498 | -8.3  | 88    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.502 | 0.531 | -5.8  | 87    | 0.00     |

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

|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.377 | 1.405 | -2.0  | 87    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.569 | 1.612 | -2.7  | 88    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.251 | 1.266 | -1.2  | 86    | 0.00     |
| 48   | 2-Nitroaniline             | 0.328 | 0.380 | -15.9 | 94    | 0.00     |
| 49   | Acenaphthylene             | 1.943 | 2.025 | -4.2  | 88    | 0.00     |
| 50   | Dimethylphthalate          | 1.535 | 1.625 | -5.9  | 89    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.357 | 0.385 | -7.8  | 90    | 0.00     |
| 52 C | Acenaphthene               | 1.283 | 1.336 | -4.1  | 88    | 0.00     |
| 53   | 3-Nitroaniline             | 0.354 | 0.396 | -11.9 | 90    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.187 | 0.191 | -2.1  | 85    | 0.00     |
| 55   | Dibenzofuran               | 1.935 | 2.004 | -3.6  | 88    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.307 | 0.368 | -19.9 | 99    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.491 | 0.549 | -11.8 | 91    | 0.00     |
| 58   | Fluorene                   | 1.567 | 1.636 | -4.4  | 89    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.472 | 0.526 | -11.4 | 92    | 0.00     |
| 60   | Diethylphthalate           | 1.510 | 1.632 | -8.1  | 91    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.819 | 0.844 | -3.1  | 88    | 0.00     |
| 62   | 4-Nitroaniline             | 0.356 | 0.427 | -19.9 | 98    | 0.00     |
| 63   | Azobenzene                 | 1.415 | 1.558 | -10.1 | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.132 | 0.142 | -7.6  | 96    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.605 | 0.616 | -1.8  | 90    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.247 | 0.247 | 0.0   | 90    | 0.00     |
| 68   | Hexachlorobenzene          | 0.277 | 0.272 | 1.8   | 88    | 0.00     |
| 69   | Atrazine                   | 0.233 | 0.257 | -10.3 | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 0.180 | 0.200 | -11.1 | 100   | 0.00     |
| 71   | Phenanthrene               | 1.096 | 1.130 | -3.1  | 94    | 0.00     |
| 72   | Anthracene                 | 1.090 | 1.132 | -3.9  | 93    | 0.00     |
| 73   | Carbazole                  | 1.051 | 1.150 | -9.4  | 98    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.098 | 1.256 | -14.4 | 101   | 0.00     |
| 75 C | Fluoranthene               | 1.368 | 1.489 | -8.8  | 99    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 77   | Benzidine                  | 0.567 | 0.579 | -2.1  | 91    | 0.00     |
| 78   | Pyrene                     | 1.344 | 1.336 | 0.6   | 100   | 0.00     |
| 79 S | Terphenyl-d14              | 0.982 | 0.927 | 5.6   | 101   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.487 | 0.561 | -15.2 | 112   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.338 | 1.375 | -2.8  | 105   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.556 | 0.597 | -7.4  | 105   | 0.00     |
| 83   | Chrysene                   | 1.311 | 1.344 | -2.5  | 105   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.696 | 0.761 | -9.3  | 110   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.178 | 1.324 | -12.4 | 109   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.525 | 1.580 | -3.6  | 103   | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.340 | 1.375 | -2.6 | 103   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.315 | 1.345 | -2.3 | 103   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.247 | 1.288 | -3.3 | 102   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.275 | 1.318 | -3.4 | 103   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.288 | 1.328 | -3.1 | 102   | 0.01     |

(#) = Out of Range

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