

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\  
 Data File : BG045771.D  
 Acq On : 16 Jun 2020 10:37  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jun 16 13:34:20 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 15 18:34:19 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   | 98    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.542 | 0.560 | -3.3  | 97    | 0.00     |
| 3    | Pyridine                    | 1.607 | 1.666 | -3.7  | 95    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.539 | 0.598 | -10.9 | 103   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.184 | 1.261 | -6.5  | 98    | 0.00     |
| 6    | Aniline                     | 2.121 | 2.252 | -6.2  | 98    | 0.00     |
| 7 S  | Phenol-d6                   | 1.801 | 1.928 | -7.1  | 98    | 0.00     |
| 8    | 2-Chlorophenol              | 1.267 | 1.332 | -5.1  | 100   | 0.00     |
| 9    | Benzaldehyde                | 1.082 | 1.115 | -3.0  | 97    | 0.00     |
| 10 C | Phenol                      | 1.745 | 1.803 | -3.3  | 96    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.325 | 1.380 | -4.2  | 98    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.510 | 1.579 | -4.6  | 98    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.509 | 1.578 | -4.6  | 97    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.444 | 1.517 | -5.1  | 99    | 0.00     |
| 15   | Benzyl Alcohol              | 1.394 | 1.492 | -7.0  | 99    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.249 | 1.298 | -3.9  | 99    | 0.00     |
| 17   | 2-Methylphenol              | 1.299 | 1.383 | -6.5  | 98    | 0.00     |
| 18   | Hexachloroethane            | 0.573 | 0.591 | -3.1  | 96    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.184 | 1.292 | -9.1  | 101   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.708 | 1.786 | -4.6  | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 22   | Acetophenone                | 0.549 | 0.592 | -7.8  | 98    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.438 | 0.473 | -8.0  | 99    | 0.00     |
| 24   | Nitrobenzene                | 0.467 | 0.512 | -9.6  | 99    | 0.00     |
| 25   | Isophorone                  | 0.848 | 0.910 | -7.3  | 97    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.194 | 0.215 | -10.8 | 97    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.297 | 0.329 | -10.8 | 102   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.443 | 0.479 | -8.1  | 99    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.346 | 0.379 | -9.5  | 99    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.410 | 0.451 | -10.0 | 101   | 0.00     |
| 31   | Naphthalene                 | 1.093 | 1.194 | -9.2  | 99    | 0.00     |
| 32   | Benzoic acid                | 0.170 | 0.182 | -7.1  | 101   | 0.00     |
| 33   | 4-Chloroaniline             | 0.458 | 0.501 | -9.4  | 99    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.292 | 0.321 | -9.9  | 99    | 0.00     |
| 35   | Caprolactam                 | 0.112 | 0.120 | -7.1  | 99    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.400 | 0.427 | -6.7  | 98    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.814 | 0.900 | -10.6 | 101   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.771 | 0.841 | -9.1  | 99    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.659 | 0.709 | -7.6  | 99    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.299 | 0.327 | -9.4  | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.302 | 0.311 | -3.0  | 98    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.446 | 0.477 | -7.0  | 100   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.509 | 0.530 | -4.1  | 97    | 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           | 1.361 | 1.467 | -7.8  | 100   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.432 | 1.521 | -6.2  | 99    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.157 | 1.245 | -7.6  | 101   | 0.00     |
| 48   | 2-Nitroaniline             | 0.385 | 0.413 | -7.3  | 99    | 0.00     |
| 49   | Acenaphthylene             | 1.853 | 1.997 | -7.8  | 100   | 0.00     |
| 50   | Dimethylphthalate          | 1.567 | 1.661 | -6.0  | 99    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.352 | 0.370 | -5.1  | 98    | 0.00     |
| 52 C | Acenaphthene               | 1.123 | 1.199 | -6.8  | 101   | 0.00     |
| 53   | 3-Nitroaniline             | 0.351 | 0.372 | -6.0  | 100   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.152 | 0.165 | -8.6  | 105   | 0.00     |
| 55   | Dibenzofuran               | 1.824 | 1.967 | -7.8  | 100   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.226 | 0.250 | -10.6 | 103   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.504 | 0.539 | -6.9  | 99    | 0.00     |
| 58   | Fluorene                   | 1.517 | 1.605 | -5.8  | 98    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.442 | 0.454 | -2.7  | 96    | 0.00     |
| 60   | Diethylphthalate           | 1.602 | 1.727 | -7.8  | 100   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.874 | 0.949 | -8.6  | 102   | 0.00     |
| 62   | 4-Nitroaniline             | 0.361 | 0.367 | -1.7  | 94    | 0.00     |
| 63   | Azobenzene                 | 1.538 | 1.645 | -7.0  | 101   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.124 | 0.134 | -8.1  | 100   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.566 | 0.609 | -7.6  | 100   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.260 | 0.280 | -7.7  | 100   | 0.00     |
| 68   | Hexachlorobenzene          | 0.269 | 0.292 | -8.6  | 103   | 0.00     |
| 69   | Atrazine                   | 0.220 | 0.228 | -3.6  | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 0.111 | 0.125 | -12.6 | 101   | 0.00     |
| 71   | Phenanthrene               | 1.031 | 1.109 | -7.6  | 100   | 0.00     |
| 72   | Anthracene                 | 1.027 | 1.107 | -7.8  | 100   | 0.00     |
| 73   | Carbazole                  | 0.978 | 1.050 | -7.4  | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.158 | 1.257 | -8.5  | 100   | 0.00     |
| 75 C | Fluoranthene               | 1.268 | 1.366 | -7.7  | 100   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 77   | Benzidine                  | 0.520 | 0.565 | -8.7  | 93    | 0.00     |
| 78   | Pyrene                     | 1.339 | 1.469 | -9.7  | 98    | 0.00     |
| 79 S | Terphenyl-d14              | 0.987 | 1.095 | -10.9 | 98    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.561 | 0.608 | -8.4  | 98    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.297 | 1.402 | -8.1  | 99    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.490 | 0.533 | -8.8  | 98    | 0.00     |
| 83   | Chrysene                   | 1.254 | 1.345 | -7.3  | 96    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.780 | 0.847 | -8.6  | 98    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.345 | 1.478 | -9.9  | 100   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.450 | 1.538 | -6.1  | 99    | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.254 | 1.340 | -6.9 | 100   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.200 | 1.261 | -5.1 | 97    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.171 | 1.248 | -6.6 | 100   | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.163 | 1.264 | -8.7 | 102   | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.164 | 1.236 | -6.2 | 100   | 0.00     |

(#) = Out of Range

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