

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\  
 Data File : BG043386.D  
 Acq On : 30 Oct 2019 00:06  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 30 06:25:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:37:43 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                    | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 132   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.425 | 0.428 | -0.7  | 127   | 0.00     |
| 3    | Pyridine                    | 1.073 | 1.184 | -10.3 | 125   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.541 | 0.572 | -5.7  | 135   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.091 | 1.179 | -8.1  | 137   | 0.00     |
| 6    | Aniline                     | 1.809 | 1.920 | -6.1  | 132   | 0.00     |
| 7 S  | Phenol-d6                   | 1.570 | 1.676 | -6.8  | 135   | 0.00     |
| 8    | 2-Chlorophenol              | 1.205 | 1.286 | -6.7  | 136   | 0.00     |
| 9    | Benzaldehyde                | 0.772 | 0.887 | -14.9 | 151#  | 0.00     |
| 10 C | Phenol                      | 1.435 | 1.544 | -7.6  | 134   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.109 | 1.097 | 1.1   | 124   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.510 | 1.585 | -5.0  | 134   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.527 | 1.587 | -3.9  | 132   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.491 | 1.532 | -2.7  | 131   | 0.00     |
| 15   | Benzyl Alcohol              | 1.103 | 1.152 | -4.4  | 128   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.613 | 1.679 | -4.1  | 129   | 0.00     |
| 17   | 2-Methylphenol              | 1.046 | 1.104 | -5.5  | 136   | 0.00     |
| 18   | Hexachloroethane            | 0.551 | 0.584 | -6.0  | 135   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.015 | 1.024 | -0.9  | 128   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.434 | 1.488 | -3.8  | 133   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 131   | 0.00     |
| 22   | Acetophenone                | 0.512 | 0.524 | -2.3  | 127   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.388 | 0.406 | -4.6  | 133   | 0.00     |
| 24   | Nitrobenzene                | 0.370 | 0.386 | -4.3  | 131   | 0.00     |
| 25   | Isophorone                  | 0.709 | 0.698 | 1.6   | 123   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.178 | 0.190 | -6.7  | 137   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.256 | 0.262 | -2.3  | 129   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.391 | 0.397 | -1.5  | 124   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.328 | 0.349 | -6.4  | 132   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.413 | 0.431 | -4.4  | 133   | 0.00     |
| 31   | Naphthalene                 | 1.015 | 1.049 | -3.3  | 131   | 0.00     |
| 32   | Benzoic acid                | 0.179 | 0.177 | 1.1   | 138   | 0.02     |
| 33   | 4-Chloroaniline             | 0.416 | 0.430 | -3.4  | 126   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.305 | 0.323 | -5.9  | 135   | 0.00     |
| 35   | Caprolactam                 | 0.113 | 0.117 | -3.5  | 126   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.357 | 0.361 | -1.1  | 126   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.779 | 0.804 | -3.2  | 129   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.741 | 0.754 | -1.8  | 128   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 127   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.740 | 0.776 | -4.9  | 128   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.389 | 0.273 | 29.8# | 85    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.381 | 0.373 | 2.1   | 118   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.436 | 0.450 | -3.2  | 124   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.441 | 0.462 | -4.8  | 126   | 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                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.447 | 1.485 | -2.6  | 124   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.521 | 1.566 | -3.0  | 124   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.158 | 1.203 | -3.9  | 127   | 0.00     |
| 48   | 2-Nitroaniline             | 0.346 | 0.374 | -8.1  | 128   | 0.00     |
| 49   | Acenaphthylene             | 1.802 | 1.834 | -1.8  | 123   | 0.00     |
| 50   | Dimethylphthalate          | 1.549 | 1.528 | 1.4   | 120   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.337 | 0.337 | 0.0   | 120   | 0.00     |
| 52 C | Acenaphthene               | 1.099 | 1.113 | -1.3  | 123   | 0.00     |
| 53   | 3-Nitroaniline             | 0.325 | 0.326 | -0.3  | 121   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.178 | 0.115 | 35.4# | 79    | 0.00     |
| 55   | Dibenzofuran               | 1.782 | 1.801 | -1.1  | 123   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.218 | 0.210 | 3.7   | 114   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.481 | 0.481 | 0.0   | 122   | 0.00     |
| 58   | Fluorene                   | 1.494 | 1.487 | 0.5   | 120   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.468 | 0.458 | 2.1   | 112   | 0.00     |
| 60   | Diethylphthalate           | 1.557 | 1.512 | 2.9   | 118   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.872 | 0.884 | -1.4  | 124   | 0.00     |
| 62   | 4-Nitroaniline             | 0.336 | 0.348 | -3.6  | 123   | 0.00     |
| 63   | Azobenzene                 | 1.260 | 1.247 | 1.0   | 120   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 119   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.118 | 0.083 | 29.7# | 81    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.565 | 0.595 | -5.3  | 118   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.269 | 0.281 | -4.5  | 119   | 0.00     |
| 68   | Hexachlorobenzene          | 0.309 | 0.325 | -5.2  | 120   | 0.00     |
| 69   | Atrazine                   | 0.196 | 0.187 | 4.6   | 110   | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.145 | -2.8  | 112   | 0.00     |
| 71   | Phenanthrene               | 1.024 | 1.071 | -4.6  | 118   | 0.00     |
| 72   | Anthracene                 | 1.025 | 1.080 | -5.4  | 117   | 0.00     |
| 73   | Carbazole                  | 0.928 | 0.970 | -4.5  | 117   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.126 | 1.161 | -3.1  | 115   | 0.00     |
| 75 C | Fluoranthene               | 1.335 | 1.352 | -1.3  | 112   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 117   | 0.00     |
| 77   | Benzidine                  | 0.403 | 0.390 | 3.2   | 101   | 0.00     |
| 78   | Pyrene                     | 1.238 | 1.260 | -1.8  | 114   | 0.00     |
| 79 S | Terphenyl-d14              | 1.066 | 1.086 | -1.9  | 112   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.469 | 0.489 | -4.3  | 117   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.253 | 1.315 | -4.9  | 119   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.485 | 0.511 | -5.4  | 117   | 0.00     |
| 83   | Chrysene                   | 1.245 | 1.285 | -3.2  | 115   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.666 | 0.711 | -6.8  | 121   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.130 | 1.202 | -6.4  | 121   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.562 | 1.682 | -7.7  | 122   | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 122   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.133 | 1.179 | -4.1 | 121   | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.140 | 1.148 | -0.7 | 117   | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.082 | 1.117 | -3.2 | 120   | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 1.106 | 1.167 | -5.5 | 123   | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 1.091 | 1.142 | -4.7 | 122   | 0.00     |

(#) = Out of Range

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