

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110819\  
 Data File : BG043567.D  
 Acq On : 8 Nov 2019 13:32  
 Operator : JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 11 00:31:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 04 15:22:15 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    | 79    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.425 | 0.443 | -4.2   | 78    | 0.00     |
| 3    | Pyridine                    | 1.073 | 1.219 | -13.6  | 77    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.541 | 0.582 | -7.6   | 82    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.091 | 1.176 | -7.8   | 81    | 0.00     |
| 6    | Aniline                     | 1.809 | 1.845 | -2.0   | 75    | 0.00     |
| 7 S  | Phenol-d6                   | 1.570 | 1.659 | -5.7   | 80    | 0.00     |
| 8    | 2-Chlorophenol              | 1.205 | 1.235 | -2.5   | 78    | 0.00     |
| 9    | Benzaldehyde                | 0.772 | 0.851 | -10.2  | 86    | 0.00     |
| 10 C | Phenol                      | 1.435 | 1.523 | -6.1   | 79    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.109 | 1.036 | 6.6    | 70    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.510 | 1.528 | -1.2   | 77    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.527 | 1.567 | -2.6   | 78    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.491 | 1.500 | -0.6   | 76    | 0.00     |
| 15   | Benzyl Alcohol              | 1.103 | 1.127 | -2.2   | 75    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.613 | 1.562 | 3.2    | 72    | -0.01    |
| 17   | 2-Methylphenol              | 1.046 | 1.069 | -2.2   | 79    | 0.00     |
| 18   | Hexachloroethane            | 0.551 | 0.553 | -0.4   | 76    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.015 | 0.972 | 4.2    | 73    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.434 | 1.406 | 2.0    | 75    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 76    | 0.00     |
| 22   | Acetophenone                | 0.512 | 0.521 | -1.8   | 73    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.388 | 0.398 | -2.6   | 75    | 0.00     |
| 24   | Nitrobenzene                | 0.370 | 0.381 | -3.0   | 75    | 0.00     |
| 25   | Isophorone                  | 0.709 | 0.687 | 3.1    | 70    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.178 | 0.191 | -7.3   | 79    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.256 | 0.276 | -7.8   | 79    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.391 | 0.380 | 2.8    | 69    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.328 | 0.348 | -6.1   | 76    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.413 | 0.415 | -0.5   | 74    | 0.00     |
| 31   | Naphthalene                 | 1.015 | 1.046 | -3.1   | 76    | 0.00     |
| 32   | Benzoic acid                | 0.179 | 0.200 | -11.7  | 90    | 0.02     |
| 33   | 4-Chloroaniline             | 0.416 | 0.424 | -1.9   | 72    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.305 | 0.302 | 1.0    | 73    | 0.00     |
| 35   | Caprolactam                 | 0.113 | 0.127 | -12.4  | 79    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.357 | 0.369 | -3.4   | 74    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.779 | 0.780 | -0.1   | 73    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.741 | 0.750 | -1.2   | 74    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 76    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.740 | 0.734 | 0.8    | 72    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.389 | 0.538 | -38.3# | 100   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.381 | 0.390 | -2.4   | 74    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.436 | 0.443 | -1.6   | 73    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.441 | 0.434 | 1.6    | 71    | 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           | 1.447 | 1.450 | -0.2  | 72    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.521 | 1.540 | -1.2  | 73    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.158 | 1.179 | -1.8  | 75    | 0.00     |
| 48   | 2-Nitroaniline             | 0.346 | 0.381 | -10.1 | 78    | 0.00     |
| 49   | Acenaphthylene             | 1.802 | 1.874 | -4.0  | 75    | 0.00     |
| 50   | Dimethylphthalate          | 1.549 | 1.531 | 1.2   | 72    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.337 | 0.354 | -5.0  | 75    | 0.00     |
| 52 C | Acenaphthene               | 1.099 | 1.137 | -3.5  | 75    | 0.00     |
| 53   | 3-Nitroaniline             | 0.325 | 0.355 | -9.2  | 78    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.178 | 0.211 | -18.5 | 86    | 0.00     |
| 55   | Dibenzofuran               | 1.782 | 1.849 | -3.8  | 75    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.218 | 0.221 | -1.4  | 72    | 0.02     |
| 57   | 2,4-Dinitrotoluene         | 0.481 | 0.522 | -8.5  | 79    | 0.00     |
| 58   | Fluorene                   | 1.494 | 1.589 | -6.4  | 76    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.468 | 0.481 | -2.8  | 71    | 0.00     |
| 60   | Diethylphthalate           | 1.557 | 1.557 | 0.0   | 72    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.872 | 0.883 | -1.3  | 74    | 0.00     |
| 62   | 4-Nitroaniline             | 0.336 | 0.385 | -14.6 | 81    | 0.00     |
| 63   | Azobenzene                 | 1.260 | 1.326 | -5.2  | 76    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 84    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.118 | 0.097 | 17.8  | 67    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.565 | 0.541 | 4.2   | 76    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.269 | 0.250 | 7.1   | 75    | 0.00     |
| 68   | Hexachlorobenzene          | 0.309 | 0.293 | 5.2   | 77    | 0.00     |
| 69   | Atrazine                   | 0.196 | 0.166 | 15.3  | 70    | 0.00     |
| 70 C | Pentachlorophenol          | 0.141 | 0.124 | 12.1  | 68    | 0.00     |
| 71   | Phenanthrene               | 1.024 | 1.024 | 0.0   | 80    | 0.00     |
| 72   | Anthracene                 | 1.025 | 1.031 | -0.6  | 79    | 0.00     |
| 73   | Carbazole                  | 0.928 | 0.938 | -1.1  | 80    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.126 | 1.131 | -0.4  | 79    | 0.00     |
| 75 C | Fluoranthene               | 1.335 | 1.337 | -0.1  | 78    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 79    | 0.00     |
| 77   | Benzidine                  | 0.403 | 0.375 | 6.9   | 66    | 0.00     |
| 78   | Pyrene                     | 1.238 | 1.288 | -4.0  | 79    | 0.00     |
| 79 S | Terphenyl-d14              | 1.066 | 1.132 | -6.2  | 79    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.469 | 0.498 | -6.2  | 80    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.253 | 1.317 | -5.1  | 80    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.485 | 0.491 | -1.2  | 76    | 0.00     |
| 83   | Chrysene                   | 1.245 | 1.288 | -3.5  | 78    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.666 | 0.698 | -4.8  | 80    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.130 | 1.190 | -5.3  | 81    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.562 | 1.656 | -6.0  | 81    | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 81    | 0.00     |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.133 | 1.140 | -0.6 | 78    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.140 | 1.195 | -4.8 | 81    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.082 | 1.107 | -2.3 | 79    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.106 | 1.167 | -5.5 | 81    | -0.01    |
| 92   | Benzo(q,h,i)perylene   | 1.091 | 1.130 | -3.6 | 80    | 0.00     |

(#) = Out of Range

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