

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042920\  
 Data File : BG045200.D  
 Acq On : 29 Apr 2020 11:41  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Apr 29 12:29:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 29 12:24:27 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    | 88    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.538 | 0.573 | -6.5   | 94    | 0.00     |
| 3    | Pyridine                    | 1.658 | 1.632 | 1.6    | 90    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.508 | 0.527 | -3.7   | 96    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.211 | 1.266 | -4.5   | 95    | 0.00     |
| 6    | Aniline                     | 2.340 | 2.324 | 0.7    | 88    | 0.00     |
| 7 S  | Phenol-d6                   | 1.800 | 1.851 | -2.8   | 92    | 0.00     |
| 8    | 2-Chlorophenol              | 1.302 | 1.354 | -4.0   | 93    | 0.00     |
| 9    | Benzaldehyde                | 1.067 | 1.019 | 4.5    | 89    | 0.00     |
| 10 C | Phenol                      | 1.801 | 1.846 | -2.5   | 91    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.434 | 1.388 | 3.2    | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.534 | 1.570 | -2.3   | 93    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.529 | 1.578 | -3.2   | 93    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.463 | 1.510 | -3.2   | 91    | 0.00     |
| 15   | Benzyl Alcohol              | 1.509 | 1.480 | 1.9    | 87    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.408 | 1.323 | 6.0    | 84    | 0.00     |
| 17   | 2-Methylphenol              | 1.390 | 1.392 | -0.1   | 91    | 0.00     |
| 18   | Hexachloroethane            | 0.575 | 0.616 | -7.1   | 95    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.273 | 1.265 | 0.6    | 88    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.945 | 1.941 | 0.2    | 88    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 22   | Acetophenone                | 0.541 | 0.530 | 2.0    | 88    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.438 | 0.437 | 0.2    | 90    | 0.00     |
| 24   | Nitrobenzene                | 0.449 | 0.443 | 1.3    | 89    | 0.00     |
| 25   | Isophorone                  | 0.898 | 0.879 | 2.1    | 86    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.194 | 0.201 | -3.6   | 93    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.307 | 0.302 | 1.6    | 88    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.472 | 0.458 | 3.0    | 86    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.355 | 0.367 | -3.4   | 92    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.401 | 0.424 | -5.7   | 95    | 0.00     |
| 31   | Naphthalene                 | 1.094 | 1.105 | -1.0   | 89    | 0.00     |
| 32   | Benzoic acid                | 0.230 | 0.244 | -6.1   | 96    | 0.01     |
| 33   | 4-Chloroaniline             | 0.510 | 0.493 | 3.3    | 86    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.275 | 0.292 | -6.2   | 95    | 0.00     |
| 35   | Caprolactam                 | 0.141 | 0.134 | 5.0    | 84    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.417 | 0.435 | -4.3   | 94    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.849 | 0.871 | -2.6   | 90    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.802 | 0.816 | -1.7   | 90    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.644 | 0.631 | 2.0    | 92    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.402 | 0.529 | -31.6# | 121   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.309 | 0.314 | -1.6   | 96    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.454 | 0.462 | -1.8   | 95    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.517 | 0.522 | -1.0   | 95    | 0.00     |

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|      | Compound                   | AvqRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 45 S | 2-Fluorobiphenyl           | 1.364 | 1.356 | 0.6   | 92    | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.520 | 1.478 | 2.8   | 91    | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.162 | 1.141 | 1.8   | 93    | 0.00     |
| 48   | 2-Nitroaniline             | 0.382 | 0.385 | -0.8  | 96    | 0.00     |
| 49   | Acenaphthylene             | 1.892 | 1.887 | 0.3   | 94    | 0.00     |
| 50   | Dimethylphthalate          | 1.628 | 1.580 | 2.9   | 91    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.364 | 0.357 | 1.9   | 93    | 0.00     |
| 52 C | Acenaphthene               | 1.280 | 1.306 | -2.0  | 96    | 0.00     |
| 53   | 3-Nitroaniline             | 0.399 | 0.366 | 8.3   | 87    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.217 | 0.263 | -21.2 | 117   | 0.00     |
| 55   | Dibenzofuran               | 1.866 | 1.844 | 1.2   | 93    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.310 | 0.270 | 12.9  | 83    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.532 | 0.518 | 2.6   | 94    | 0.00     |
| 58   | Fluorene                   | 1.524 | 1.534 | -0.7  | 95    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.460 | 0.468 | -1.7  | 97    | 0.00     |
| 60   | Diethylphthalate           | 1.698 | 1.642 | 3.3   | 92    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.877 | 0.883 | -0.7  | 96    | 0.00     |
| 62   | 4-Nitroaniline             | 0.414 | 0.375 | 9.4   | 86    | 0.00     |
| 63   | Azobenzene                 | 1.565 | 1.531 | 2.2   | 93    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.131 | 0.135 | -3.1  | 99    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.575 | 0.569 | 1.0   | 92    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.258 | 0.261 | -1.2  | 95    | 0.00     |
| 68   | Hexachlorobenzene          | 0.268 | 0.275 | -2.6  | 97    | 0.00     |
| 69   | Atrazine                   | 0.230 | 0.204 | 11.3  | 88    | 0.00     |
| 70 C | Pentachlorophenol          | 0.164 | 0.194 | -18.3 | 108   | 0.00     |
| 71   | Phenanthrene               | 1.028 | 1.018 | 1.0   | 93    | 0.00     |
| 72   | Anthracene                 | 1.031 | 1.034 | -0.3  | 94    | 0.00     |
| 73   | Carbazole                  | 1.046 | 0.979 | 6.4   | 91    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.227 | 1.163 | 5.2   | 90    | 0.00     |
| 75 C | Fluoranthene               | 1.305 | 1.243 | 4.8   | 93    | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 88    | 0.00     |
| 77   | Benzidine                  | 0.644 | 0.585 | 9.2   | 83    | 0.00     |
| 78   | Pyrene                     | 1.379 | 1.384 | -0.4  | 92    | 0.00     |
| 79 S | Terphenyl-d14              | 0.918 | 1.002 | -9.2  | 94    | 0.00     |
| 80   | Butylbenzylphthalate       | 0.572 | 0.587 | -2.6  | 91    | 0.00     |
| 81   | Benzo(a)anthracene         | 1.296 | 1.319 | -1.8  | 91    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.516 | 0.546 | -5.8  | 95    | 0.00     |
| 83   | Chrysene                   | 1.245 | 1.286 | -3.3  | 93    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.786 | 0.807 | -2.7  | 92    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.359 | 1.394 | -2.6  | 92    | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.654 | 1.686 | -1.9  | 93    | 0.00     |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 90    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.253 | 1.264 | -0.9 | 94    | 0.00     |
| 89   | Benzo(k)fluoranthene   | 1.191 | 1.202 | -0.9 | 92    | 0.00     |
| 90 C | Benzo(a)pyrene         | 1.183 | 1.176 | 0.6  | 92    | 0.00     |
| 91   | Dibenzo(a,h)anthracene | 1.192 | 1.202 | -0.8 | 94    | 0.00     |
| 92   | Benzo(q,h,i)perylene   | 1.195 | 1.195 | 0.0  | 93    | 0.00     |

(#) = Out of Range

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