

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080918\  
 Data File : BM016274.D  
 Acq On : 09 Aug 2018 10:35  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTDCCC040

Quant Time: Aug 10 04:51:11 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 16:23:37 2018  
 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   | 92    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.564 | 0.580 | -2.8  | 90    | 0.00     |
| 3    | Pyridine                    | 1.359 | 1.308 | 3.8   | 84    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 1.060 | 1.126 | -6.2  | 91    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.204 | 1.258 | -4.5  | 91    | 0.00     |
| 6    | Aniline                     | 1.810 | 1.765 | 2.5   | 86    | 0.00     |
| 7 S  | Phenol-d6                   | 1.572 | 1.545 | 1.7   | 86    | 0.00     |
| 8    | 2-Chlorophenol              | 1.431 | 1.401 | 2.1   | 86    | 0.00     |
| 9    | Benzaldehyde                | 1.105 | 1.072 | 3.0   | 85    | 0.00     |
| 10 C | Phenol                      | 1.572 | 1.521 | 3.2   | 85    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.242 | 1.216 | 2.1   | 88    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.675 | 1.612 | 3.8   | 87    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.699 | 1.654 | 2.6   | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.662 | 1.590 | 4.3   | 88    | 0.00     |
| 15   | Benzyl Alcohol              | 1.252 | 1.260 | -0.6  | 89    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.901 | 1.675 | 11.9  | 80    | 0.00     |
| 17   | 2-Methylphenol              | 1.075 | 1.022 | 4.9   | 82    | 0.00     |
| 18   | Hexachloroethane            | 0.734 | 0.715 | 2.6   | 85    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.149 | 1.046 | 9.0   | 77    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.546 | 1.375 | 11.1  | 78    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 81    | 0.00     |
| 22   | Acetophenone                | 0.504 | 0.513 | -1.8  | 81    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.430 | 0.465 | -8.1  | 84    | 0.00     |
| 24   | Nitrobenzene                | 0.433 | 0.443 | -2.3  | 79    | 0.00     |
| 25   | Isophorone                  | 0.588 | 0.589 | -0.2  | 77    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.181 | 0.188 | -3.9  | 83    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.252 | 0.254 | -0.8  | 79    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.382 | 0.365 | 4.5   | 73    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.299 | 0.308 | -3.0  | 78    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.363 | 0.358 | 1.4   | 79    | 0.00     |
| 31   | Naphthalene                 | 1.012 | 0.976 | 3.6   | 77    | 0.00     |
| 32   | Benzoic acid                | 0.192 | 0.175 | 8.9   | 74    | 0.00     |
| 33   | 4-Chloroaniline             | 0.413 | 0.404 | 2.2   | 74    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.252 | 0.266 | -5.6  | 84    | 0.00     |
| 35   | Caprolactam                 | 0.083 | 0.077 | 7.2   | 72    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.329 | 0.315 | 4.3   | 73    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.678 | 0.642 | 5.3   | 74    | 0.00     |
| 38 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 72    | 0.00     |
| 39   | 1,2,4,5-Tetrachlorobenzene  | 0.681 | 0.729 | -7.0  | 77    | 0.00     |
| 40 P | Hexachlorocyclopentadiene   | 0.278 | 0.078 | 71.9# | 20#   | 0.00     |
| 41 S | 2,4,6-Tribromophenol        | 0.254 | 0.221 | 13.0  | 63    | 0.00     |
| 42 C | 2,4,6-Trichlorophenol       | 0.426 | 0.467 | -9.6  | 75    | 0.00     |
| 43   | 2,4,5-Trichlorophenol       | 0.439 | 0.466 | -6.2  | 74    | 0.00     |
| 44 S | 2-Fluorobiphenyl            | 1.644 | 1.795 | -9.2  | 79    | 0.00     |

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|------|----------------------------|-------|-------|-------|-------|----------|
| 45   | 1,1'-Biphenyl              | 1.805 | 1.840 | -1.9  | 73    | 0.00     |
| 46   | 2-Chloronaphthalene        | 1.404 | 1.432 | -2.0  | 73    | 0.00     |
| 47   | 2-Nitroaniline             | 0.464 | 0.475 | -2.4  | 71    | 0.00     |
| 48   | Acenaphthylene             | 2.055 | 2.086 | -1.5  | 71    | 0.00     |
| 49   | Dimethylphthalate          | 1.750 | 1.761 | -0.6  | 72    | 0.00     |
| 50   | 2,6-Dinitrotoluene         | 0.352 | 0.356 | -1.1  | 70    | 0.00     |
| 51 C | Acenaphthene               | 1.264 | 1.231 | 2.6   | 71    | 0.00     |
| 52   | 3-Nitroaniline             | 0.380 | 0.362 | 4.7   | 67    | 0.00     |
| 53 P | 2,4-Dinitrophenol          | 0.131 | 0.077 | 41.2# | 42#   | 0.00     |
| 54   | Dibenzofuran               | 2.083 | 2.002 | 3.9   | 69    | 0.00     |
| 55 P | 4-Nitrophenol              | 0.273 | 0.215 | 21.2  | 56    | 0.00     |
| 56   | 2,4-Dinitrotoluene         | 0.504 | 0.495 | 1.8   | 70    | 0.00     |
| 57   | Fluorene                   | 1.548 | 1.487 | 3.9   | 68    | 0.00     |
| 58   | 2,3,4,6-Tetrachlorophenol  | 0.378 | 0.369 | 2.4   | 67    | 0.00     |
| 59   | Diethylphthalate           | 1.887 | 1.867 | 1.1   | 70    | 0.00     |
| 60   | 4-Chlorophenyl-phenylether | 0.862 | 0.844 | 2.1   | 70    | 0.00     |
| 61   | 4-Nitroaniline             | 0.365 | 0.333 | 8.8   | 65    | 0.00     |
| 62   | Azobenzene                 | 1.987 | 2.045 | -2.9  | 71    | 0.00     |
| 63 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 68    | 0.00     |
| 64   | 4,6-Dinitro-2-methylphenol | 0.121 | 0.089 | 26.4# | 49#   | 0.00     |
| 65 c | n-Nitrosodiphenylamine     | 0.659 | 0.666 | -1.1  | 67    | 0.00     |
| 66   | 4-Bromophenyl-phenylether  | 0.226 | 0.233 | -3.1  | 68    | 0.00     |
| 67   | Hexachlorobenzene          | 0.249 | 0.242 | 2.8   | 65    | 0.00     |
| 68   | Atrazine                   | 0.236 | 0.233 | 1.3   | 64    | 0.00     |
| 69 C | Pentachlorophenol          | 0.154 | 0.127 | 17.5  | 56    | 0.00     |
| 70   | Phenanthrene               | 1.120 | 1.059 | 5.4   | 64    | 0.00     |
| 71   | Anthracene                 | 1.088 | 1.060 | 2.6   | 66    | 0.00     |
| 72   | Carbazole                  | 1.127 | 1.073 | 4.8   | 63    | 0.00     |
| 73   | Di-n-butylphthalate        | 1.405 | 1.441 | -2.6  | 68    | 0.00     |
| 74 C | Fluoranthene               | 1.249 | 1.200 | 3.9   | 65    | 0.00     |
| 75 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 69    | 0.00     |
| 76   | Benzidine                  | 0.559 | 0.655 | -17.2 | 77    | 0.00     |
| 77   | Pyrene                     | 1.199 | 1.141 | 4.8   | 64    | 0.00     |
| 78 S | Terphenyl-d14              | 0.955 | 0.981 | -2.7  | 70    | 0.00     |
| 79   | Butylbenzylphthalate       | 0.609 | 0.633 | -3.9  | 69    | 0.00     |
| 80   | Benzo(a)anthracene         | 1.232 | 1.215 | 1.4   | 67    | 0.00     |
| 81   | 3,3'-Dichlorobenzidine     | 0.496 | 0.504 | -1.6  | 68    | 0.00     |
| 82   | Chrysene                   | 1.182 | 1.168 | 1.2   | 68    | 0.00     |
| 83   | Bis(2-ethylhexyl)phthalate | 0.882 | 0.922 | -4.5  | 69    | 0.00     |
| 84 c | Di-n-octyl phthalate       | 1.483 | 1.582 | -6.7  | 71    | 0.00     |
| 85   | Indeno(1,2,3-cd)pyrene     | 1.402 | 1.517 | -8.2  | 75    | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 75    | 0.00     |
| 87   | Benzo(b)fluoranthene       | 1.178 | 1.133 | 3.8   | 72    | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(k)fluoranthene   | 1.193 | 1.131 | 5.2  | 70    | 0.00     |
| 89 C | Benzo(a)pyrene         | 1.132 | 1.100 | 2.8  | 72    | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.173 | 1.178 | -0.4 | 74    | 0.00     |
| 91   | Benzo(a,h,i)perylene   | 1.109 | 1.091 | 1.6  | 74    | 0.00     |

(#) = Out of Range

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