

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071119\  
 Data File : BG041631.D  
 Acq On : 11 Jul 2019 23:20  
 Operator : HP/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG071119

Quant Time: Jul 12 05:59:00 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 05:39:06 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  | 122   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.541 | 0.544 | -0.6 | 122   | 0.00     |
| 3    | Pyridine                    | 1.402 | 1.497 | -6.8 | 122   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.714 | 0.700 | 2.0  | 126   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.192 | 1.202 | -0.8 | 121   | 0.00     |
| 6    | Aniline                     | 2.213 | 2.189 | 1.1  | 120   | 0.00     |
| 7 S  | Phenol-d6                   | 1.615 | 1.604 | 0.7  | 119   | 0.00     |
| 8    | 2-Chlorophenol              | 1.333 | 1.314 | 1.4  | 121   | 0.00     |
| 9    | Benzaldehyde                | 0.891 | 0.906 | -1.7 | 122   | 0.00     |
| 10 C | Phenol                      | 1.676 | 1.671 | 0.3  | 119   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.370 | 1.357 | 0.9  | 120   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.628 | 1.625 | 0.2  | 121   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.624 | 1.635 | -0.7 | 121   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.545 | 1.526 | 1.2  | 120   | 0.00     |
| 15   | Benzyl Alcohol              | 1.309 | 1.310 | -0.1 | 121   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.942 | 2.927 | 0.5  | 121   | 0.00     |
| 17   | 2-Methylphenol              | 1.194 | 1.174 | 1.7  | 119   | 0.00     |
| 18   | Hexachloroethane            | 0.604 | 0.602 | 0.3  | 123   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.186 | 1.159 | 2.3  | 116   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.644 | 1.637 | 0.4  | 118   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 119   | 0.00     |
| 22   | Acetophenone                | 0.495 | 0.478 | 3.4  | 119   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.328 | 0.328 | 0.0  | 126   | 0.00     |
| 24   | Nitrobenzene                | 0.343 | 0.336 | 2.0  | 124   | 0.00     |
| 25   | Isophorone                  | 0.715 | 0.703 | 1.7  | 120   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.151 | 0.154 | -2.0 | 133   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.284 | 0.273 | 3.9  | 119   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.443 | 0.429 | 3.2  | 119   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.329 | 0.319 | 3.0  | 119   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.383 | 0.370 | 3.4  | 119   | 0.00     |
| 31   | Naphthalene                 | 0.977 | 0.954 | 2.4  | 117   | 0.00     |
| 32   | Benzoic acid                | 0.209 | 0.209 | 0.0  | 132   | 0.00     |
| 33   | 4-Chloroaniline             | 0.469 | 0.457 | 2.6  | 117   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.248 | 0.242 | 2.4  | 122   | 0.00     |
| 35   | Caprolactam                 | 0.125 | 0.119 | 4.8  | 113   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.342 | 0.334 | 2.3  | 119   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.746 | 0.731 | 2.0  | 119   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.708 | 0.691 | 2.4  | 118   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 116   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.678 | 0.669 | 1.3  | 119   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.415 | 0.400 | 3.6  | 121   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.229 | 0.225 | 1.7  | 115   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.445 | 0.442 | 0.7  | 120   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.454 | 0.450 | 0.9  | 119   | 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           | 1.272 | 1.290 | -1.4 | 117   | 0.00     |
| 46   | 1,1'-Biphenyl              | 1.478 | 1.472 | 0.4  | 118   | 0.00     |
| 47   | 2-Chloronaphthalene        | 1.231 | 1.213 | 1.5  | 118   | 0.00     |
| 48   | 2-Nitroaniline             | 0.341 | 0.357 | -4.7 | 132   | 0.00     |
| 49   | Acenaphthylene             | 1.874 | 1.861 | 0.7  | 115   | 0.00     |
| 50   | Dimethylphthalate          | 1.567 | 1.560 | 0.4  | 116   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.313 | 0.324 | -3.5 | 127   | 0.00     |
| 52 C | Acenaphthene               | 1.202 | 1.180 | 1.8  | 116   | 0.00     |
| 53   | 3-Nitroaniline             | 0.350 | 0.357 | -2.0 | 124   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.141 | 0.145 | -2.8 | 133   | 0.00     |
| 55   | Dibenzofuran               | 1.800 | 1.789 | 0.6  | 115   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.279 | 0.286 | -2.5 | 123   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.411 | 0.431 | -4.9 | 128   | 0.00     |
| 58   | Fluorene                   | 1.460 | 1.451 | 0.6  | 114   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.428 | 0.435 | -1.6 | 118   | 0.00     |
| 60   | Diethylphthalate           | 1.584 | 1.576 | 0.5  | 115   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.836 | 0.827 | 1.1  | 116   | 0.00     |
| 62   | 4-Nitroaniline             | 0.372 | 0.377 | -1.3 | 121   | 0.00     |
| 63   | Azobenzene                 | 1.395 | 1.374 | 1.5  | 115   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 114   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.087 | 0.087 | 0.0  | 130   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.605 | 0.561 | 7.3  | 114   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.247 | 0.229 | 7.3  | 116   | 0.00     |
| 68   | Hexachlorobenzene          | 0.250 | 0.235 | 6.0  | 116   | 0.00     |
| 69   | Atrazine                   | 0.181 | 0.177 | 2.2  | 112   | 0.00     |
| 70 C | Pentachlorophenol          | 0.155 | 0.146 | 5.8  | 117   | 0.00     |
| 71   | Phenanthrene               | 1.045 | 0.977 | 6.5  | 111   | 0.00     |
| 72   | Anthracene                 | 1.093 | 0.991 | 9.3  | 111   | 0.00     |
| 73   | Carbazole                  | 1.008 | 0.915 | 9.2  | 111   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.236 | 1.118 | 9.5  | 110   | 0.00     |
| 75 C | Fluoranthene               | 1.258 | 1.190 | 5.4  | 111   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 111   | 0.00     |
| 77   | Benzidine                  | 0.668 | 0.539 | 19.3 | 104   | 0.00     |
| 78   | Pyrene                     | 1.287 | 1.284 | 0.2  | 110   | 0.00     |
| 79 S | Terphenyl-d14              | 0.818 | 0.800 | 2.2  | 110   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.608 | 0.560 | 7.9  | 112   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.384 | 1.271 | 8.2  | 110   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.575 | 0.519 | 9.7  | 110   | 0.00     |
| 83   | Chrysene                   | 1.232 | 1.219 | 1.1  | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.832 | 0.786 | 5.5  | 110   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.444 | 1.378 | 4.6  | 111   | 0.00     |
| 86   | Indeno(1,2,3-cd)pyrene     | 1.673 | 1.568 | 6.3  | 112   | -0.02    |
| 87 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 112   | -0.02    |

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|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 88   | Benzo(b)fluoranthene   | 1.187 | 1.195 | -0.7 | 111   | -0.01    |
| 89   | Benzo(k)fluoranthene   | 1.132 | 1.118 | 1.2  | 114   | -0.01    |
| 90 C | Benzo(a)pyrene         | 1.138 | 1.125 | 1.1  | 112   | -0.01    |
| 91   | Dibenzo(a,h)anthracene | 1.105 | 1.082 | 2.1  | 112   | -0.02    |
| 92   | Benzo(q,h,i)perylene   | 1.102 | 1.080 | 2.0  | 113   | -0.01    |

(#) = Out of Range

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