

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022424\  
 Data File : BP019855.D  
 Acq On : 24 Feb 2024 11:22  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Feb 26 00:06:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 13:10:49 2024  
 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                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.478 | 0.455 | 4.8    | 94    | 0.00     |
| 3    | Pyridine                    | 1.296 | 1.314 | -1.4   | 94    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.564 | 0.545 | 3.4    | 88    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.241 | 1.253 | -1.0   | 95    | 0.00     |
| 6    | Aniline                     | 1.626 | 1.597 | 1.8    | 89    | 0.00     |
| 7 S  | Phenol-d6                   | 1.673 | 1.638 | 2.1    | 89    | 0.00     |
| 8    | 2-Chlorophenol              | 1.274 | 1.235 | 3.1    | 89    | 0.00     |
| 9    | Benzaldehyde                | 1.173 | 1.317 | -12.3  | 85    | 0.00     |
| 10 C | Phenol                      | 1.667 | 1.640 | 1.6    | 89    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.297 | 1.266 | 2.4    | 87    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.559 | 1.493 | 4.2    | 89    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.579 | 1.486 | 5.9    | 88    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.528 | 1.383 | 9.5    | 84    | 0.00     |
| 15   | Benzyl Alcohol              | 1.337 | 1.209 | 9.6    | 80    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.297 | 1.217 | 6.2    | 82    | 0.00     |
| 17   | 2-Methylphenol              | 1.123 | 1.000 | 11.0   | 79    | 0.00     |
| 18   | Hexachloroethane            | 0.612 | 0.564 | 7.8    | 84    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.143 | 0.997 | 12.8   | 76    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.532 | 1.397 | 8.8    | 82    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 78    | 0.00     |
| 22   | Acetophenone                | 0.570 | 0.532 | 6.7    | 76    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.462 | 0.448 | 3.0    | 80    | 0.00     |
| 24   | Nitrobenzene                | 0.465 | 0.449 | 3.4    | 80    | 0.00     |
| 25   | Isophorone                  | 0.804 | 0.785 | 2.4    | 78    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.177 | 0.189 | -6.8   | 85    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.227 | 0.221 | 2.6    | 79    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.455 | 0.439 | 3.5    | 77    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.343 | 0.335 | 2.3    | 79    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.420 | 0.409 | 2.6    | 81    | 0.00     |
| 31   | Naphthalene                 | 1.097 | 1.049 | 4.4    | 79    | 0.00     |
| 32   | Benzoic acid                | 0.221 | 0.243 | -10.0  | 86    | 0.00     |
| 33   | 4-Chloroaniline             | 0.406 | 0.388 | 4.4    | 78    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.311 | 0.305 | 1.9    | 80    | 0.00     |
| 35   | Caprolactam                 | 0.097 | 0.110 | -13.4  | 98    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.373 | 0.384 | -2.9   | 84    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.759 | 0.737 | 2.9    | 79    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.746 | 0.726 | 2.7    | 79    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.771 | 0.713 | 7.5    | 81    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.348 | 0.466 | -33.9# | 110   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.292 | 0.327 | -12.0  | 101   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.467 | 0.454 | 2.8    | 83    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.513 | 0.508 | 1.0    | 85    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.618 | 1.490 | 7.9    | 79    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.596 | 1.455 | 8.8    | 78    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.310 | 1.207 | 7.9    | 80    | 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                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|----------------------------|-------|-------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 0.366 | 0.392 | -7.1  | 93    | 0.00     |
| 49   | Acenaphthylene             | 1.838 | 1.771 | 3.6   | 85    | 0.00     |
| 50   | Dimethylphthalate          | 1.531 | 1.526 | 0.3   | 90    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.336 | 0.355 | -5.7  | 93    | 0.00     |
| 52 C | Acenaphthene               | 1.141 | 1.086 | 4.8   | 83    | 0.00     |
| 53   | 3-Nitroaniline             | 0.309 | 0.329 | -6.5  | 98    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.175 | 0.195 | -11.4 | 102   | 0.00     |
| 55   | Dibenzofuran               | 1.858 | 1.793 | 3.5   | 86    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.253 | 0.263 | -4.0  | 100   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.441 | 0.506 | -14.7 | 103   | 0.00     |
| 58   | Fluorene                   | 1.480 | 1.482 | -0.1  | 90    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.431 | 0.459 | -6.5  | 95    | 0.00     |
| 60   | Diethylphthalate           | 1.523 | 1.566 | -2.8  | 95    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.832 | 0.826 | 0.7   | 88    | 0.00     |
| 62   | 4-Nitroaniline             | 0.324 | 0.359 | -10.8 | 108   | 0.00     |
| 63   | Azobenzene                 | 1.473 | 1.475 | -0.1  | 91    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.114 | 0.130 | -14.0 | 118   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.599 | 0.538 | 10.2  | 93    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.250 | 0.236 | 5.6   | 96    | 0.00     |
| 68   | Hexachlorobenzene          | 0.292 | 0.273 | 6.5   | 99    | 0.00     |
| 69   | Atrazine                   | 0.199 | 0.182 | 8.5   | 100   | 0.00     |
| 70 C | Pentachlorophenol          | 0.182 | 0.178 | 2.2   | 104   | 0.00     |
| 71   | Phenanthrene               | 1.053 | 1.003 | 4.7   | 106   | 0.00     |
| 72   | Anthracene                 | 1.050 | 1.005 | 4.3   | 105   | 0.00     |
| 73   | Carbazole                  | 0.954 | 0.962 | -0.8  | 118   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.153 | 1.144 | 0.8   | 112   | 0.00     |
| 75 C | Fluoranthene               | 1.286 | 1.298 | -0.9  | 121   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 123   | 0.00     |
| 77   | Benzydine                  | 0.418 | 0.309 | 26.1# | 100   | 0.00     |
| 78   | Pyrene                     | 1.412 | 1.409 | 0.2   | 124   | 0.00     |
| 79 S | Terphenyl-d14              | 1.216 | 1.220 | -0.3  | 123   | -0.01    |
| 80   | Butylbenzylphthalate       | 0.527 | 0.524 | 0.6   | 122   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.408 | 1.333 | 5.3   | 122   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.513 | 0.484 | 5.7   | 120   | 0.00     |
| 83   | Chrysene                   | 1.337 | 1.267 | 5.2   | 122   | -0.01    |
| 84   | Bis(2-ethylhexyl)phthalate | 0.803 | 0.741 | 7.7   | 114   | -0.01    |
| 85 c | Di-n-octyl phthalate       | 1.412 | 1.278 | 9.5   | 110   | -0.01    |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 116   | -0.02    |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.531 | 1.419 | 7.3   | 112   | -0.02    |
| 88   | Benzo(b)fluoranthene       | 1.261 | 1.229 | 2.5   | 117   | -0.02    |
| 89   | Benzo(k)fluoranthene       | 1.204 | 1.122 | 6.8   | 115   | -0.01    |
| 90 C | Benzo(a)pyrene             | 1.122 | 1.063 | 5.3   | 115   | -0.01    |
| 91   | Dibenzo(a,h)anthracene     | 1.259 | 1.178 | 6.4   | 112   | -0.02    |
| 92   | Benzo(g,h,i)perylene       | 1.277 | 1.170 | 8.4   | 110   | -0.02    |

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| Compound | AvgRF | CCRF | %Dev Area | % Dev(min) |
|----------|-------|------|-----------|------------|
|----------|-------|------|-----------|------------|

(#) = Out of Range

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