

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102220\  
 Data File : BP003695.D  
 Acq On : 22 Oct 2020 12:42  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 22 13:48:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP101920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 19 14:54:24 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                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|-------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 120   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.511 | 0.501 | 2.0  | 125   | 0.00     |
| 3    | Pyridine                    | 1.445 | 1.412 | 2.3  | 121   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.617 | 0.578 | 6.3  | 115   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.196 | 1.162 | 2.8  | 120   | 0.00     |
| 6    | Aniline                     | 1.876 | 1.840 | 1.9  | 120   | 0.00     |
| 7 S  | Phenol-d6                   | 1.690 | 1.647 | 2.5  | 120   | 0.00     |
| 8    | 2-Chlorophenol              | 1.191 | 1.151 | 3.4  | 118   | 0.00     |
| 9    | Benzaldehyde                | 0.891 | 0.816 | 8.4  | 120   | 0.00     |
| 10 C | Phenol                      | 1.609 | 1.578 | 1.9  | 120   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.277 | 1.242 | 2.7  | 119   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.536 | 1.464 | 4.7  | 119   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.551 | 1.473 | 5.0  | 118   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.469 | 1.389 | 5.4  | 117   | 0.00     |
| 15   | Benzyl Alcohol              | 1.292 | 1.263 | 2.2  | 118   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.266 | 1.229 | 2.9  | 120   | 0.00     |
| 17   | 2-Methylphenol              | 1.066 | 1.041 | 2.3  | 119   | 0.00     |
| 18   | Hexachloroethane            | 0.598 | 0.571 | 4.5  | 117   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.033 | 0.999 | 3.3  | 117   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.435 | 1.389 | 3.2  | 119   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 118   | 0.00     |
| 22   | Acetophenone                | 0.585 | 0.561 | 4.1  | 118   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.473 | 0.455 | 3.8  | 117   | 0.00     |
| 24   | Nitrobenzene                | 0.455 | 0.440 | 3.3  | 118   | 0.00     |
| 25   | Isophorone                  | 0.762 | 0.742 | 2.6  | 117   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.170 | 0.168 | 1.2  | 117   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.267 | 0.263 | 1.5  | 119   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.486 | 0.473 | 2.7  | 120   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.350 | 0.339 | 3.1  | 117   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.449 | 0.429 | 4.5  | 118   | 0.00     |
| 31   | Naphthalene                 | 1.078 | 1.031 | 4.4  | 118   | 0.00     |
| 32   | Benzoic acid                | 0.158 | 0.160 | -1.3 | 113   | 0.00     |
| 33   | 4-Chloroaniline             | 0.444 | 0.431 | 2.9  | 117   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.339 | 0.323 | 4.7  | 118   | 0.00     |
| 35   | Caprolactam                 | 0.103 | 0.101 | 1.9  | 115   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.380 | 0.371 | 2.4  | 118   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.782 | 0.752 | 3.8  | 118   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.740 | 0.710 | 4.1  | 118   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 116   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.792 | 0.769 | 2.9  | 118   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.459 | 0.454 | 1.1  | 117   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.312 | 0.311 | 0.3  | 117   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.471 | 0.461 | 2.1  | 116   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.490 | 0.479 | 2.2  | 116   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.547 | 1.496 | 3.3  | 118   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.560 | 1.508 | 3.3  | 119   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.304 | 1.259 | 3.5  | 118   | 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             | 0.385 | 0.387 | -0.5 | 116   | 0.00     |
| 49   | Acenaphthylene             | 1.862 | 1.818 | 2.4  | 118   | 0.00     |
| 50   | Dimethylphthalate          | 1.643 | 1.574 | 4.2  | 116   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.334 | 0.330 | 1.2  | 118   | 0.00     |
| 52 C | Acenaphthene               | 1.257 | 1.211 | 3.7  | 116   | 0.00     |
| 53   | 3-Nitroaniline             | 0.328 | 0.330 | -0.6 | 118   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.153 | 0.157 | -2.6 | 113   | 0.00     |
| 55   | Dibenzofuran               | 1.900 | 1.828 | 3.8  | 117   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.246 | 0.240 | 2.4  | 113   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.452 | 0.452 | 0.0  | 117   | 0.00     |
| 58   | Fluorene                   | 1.533 | 1.480 | 3.5  | 117   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.470 | 0.467 | 0.6  | 116   | 0.00     |
| 60   | Diethylphthalate           | 1.610 | 1.544 | 4.1  | 116   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.927 | 0.897 | 3.2  | 119   | 0.00     |
| 62   | 4-Nitroaniline             | 0.364 | 0.359 | 1.4  | 114   | 0.00     |
| 63   | Azobenzene                 | 1.513 | 1.461 | 3.4  | 117   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 117   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.105 | 0.100 | 4.8  | 114   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.595 | 0.565 | 5.0  | 115   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.268 | 0.259 | 3.4  | 118   | 0.00     |
| 68   | Hexachlorobenzene          | 0.308 | 0.296 | 3.9  | 117   | 0.00     |
| 69   | Atrazine                   | 0.232 | 0.219 | 5.6  | 112   | 0.00     |
| 70 C | Pentachlorophenol          | 0.152 | 0.147 | 3.3  | 116   | 0.00     |
| 71   | Phenanthrene               | 1.111 | 1.056 | 5.0  | 116   | 0.00     |
| 72   | Anthracene                 | 1.073 | 1.025 | 4.5  | 116   | 0.00     |
| 73   | Carbazole                  | 0.955 | 0.909 | 4.8  | 115   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.166 | 1.127 | 3.3  | 114   | 0.00     |
| 75 C | Fluoranthene               | 1.365 | 1.294 | 5.2  | 114   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 114   | 0.00     |
| 77   | Benzydine                  | 0.479 | 0.447 | 6.7  | 103   | 0.00     |
| 78   | Pyrene                     | 1.340 | 1.314 | 1.9  | 115   | 0.00     |
| 79 S | Terphenyl-d14              | 1.137 | 1.107 | 2.6  | 114   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.491 | 0.479 | 2.4  | 110   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.333 | 1.292 | 3.1  | 113   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.467 | 0.465 | 0.4  | 113   | 0.00     |
| 83   | Chrysene                   | 1.264 | 1.211 | 4.2  | 112   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.702 | 0.687 | 2.1  | 110   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.140 | 1.100 | 3.5  | 107   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0  | 111   | 0.01     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.435 | 1.371 | 4.5  | 110   | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.396 | 1.372 | 1.7  | 111   | 0.01     |
| 89   | Benzo(k)fluoranthene       | 1.332 | 1.288 | 3.3  | 111   | 0.01     |
| 90 C | Benzo(a)pyrene             | 1.244 | 1.207 | 3.0  | 110   | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 1.200 | 1.149 | 4.2  | 110   | 0.01     |
| 92   | Benzo(g,h,i)perylene       | 1.112 | 1.064 | 4.3  | 112   | 0.02     |

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

(#) = Out of Range

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