

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111720\  
 Data File : BP003970.D  
 Acq On : 17 Nov 2020 12:05  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 LabSampleId :  
 SSTDCCC040

Quant Time: Nov 17 12:53:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP110320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 12 15:22:47 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   | 100   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.517 | 0.459 | 11.2  | 94    | 0.00     |
| 3    | Pyridine                    | 1.516 | 1.382 | 8.8   | 95    | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.698 | 0.694 | 0.6   | 104   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.198 | 1.145 | 4.4   | 100   | 0.00     |
| 6    | Aniline                     | 1.953 | 1.931 | 1.1   | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 1.720 | 1.679 | 2.4   | 101   | 0.00     |
| 8    | 2-Chlorophenol              | 1.272 | 1.257 | 1.2   | 102   | 0.00     |
| 9    | Benzaldehyde                | 0.873 | 0.825 | 5.5   | 113   | 0.00     |
| 10 C | Phenol                      | 1.660 | 1.617 | 2.6   | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.334 | 1.290 | 3.3   | 101   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.559 | 1.494 | 4.2   | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.572 | 1.503 | 4.4   | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.501 | 1.444 | 3.8   | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 1.191 | 1.254 | -5.3  | 106   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 2.247 | 2.167 | 3.6   | 102   | 0.00     |
| 17   | 2-Methylphenol              | 1.090 | 1.101 | -1.0  | 104   | 0.00     |
| 18   | Hexachloroethane            | 0.559 | 0.566 | -1.3  | 104   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.028 | 1.078 | -4.9  | 106   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.455 | 1.500 | -3.1  | 105   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 22   | Acetophenone                | 0.537 | 0.508 | 5.4   | 103   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.408 | 0.385 | 5.6   | 101   | 0.00     |
| 24   | Nitrobenzene                | 0.406 | 0.394 | 3.0   | 105   | 0.00     |
| 25   | Isophorone                  | 0.694 | 0.701 | -1.0  | 107   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.158 | 0.179 | -13.3 | 116   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.264 | 0.254 | 3.8   | 104   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.476 | 0.449 | 5.7   | 103   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.319 | 0.315 | 1.3   | 105   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.388 | 0.366 | 5.7   | 104   | 0.00     |
| 31   | Naphthalene                 | 1.073 | 1.004 | 6.4   | 103   | 0.00     |
| 32   | Benzoic acid                | 0.161 | 0.136 | 15.5  | 86    | 0.00     |
| 33   | 4-Chloroaniline             | 0.456 | 0.437 | 4.2   | 103   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.253 | 0.242 | 4.3   | 105   | 0.00     |
| 35   | Caprolactam                 | 0.098 | 0.107 | -9.2  | 112   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.344 | 0.344 | 0.0   | 107   | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.768 | 0.723 | 5.9   | 104   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.733 | 0.684 | 6.7   | 103   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.662 | 0.628 | 5.1   | 104   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.334 | 0.376 | -12.6 | 118   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.250 | 0.251 | -0.4  | 106   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.409 | 0.411 | -0.5  | 106   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.431 | 0.428 | 0.7   | 106   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.431 | 1.349 | 5.7   | 104   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.553 | 1.465 | 5.7   | 104   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.274 | 1.207 | 5.3   | 104   | 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             | 0.380 | 0.422 | -11.1 | 114   | 0.00     |
| 49   | Acenaphthylene             | 1.871 | 1.801 | 3.7   | 105   | 0.00     |
| 50   | Dimethylphthalate          | 1.563 | 1.525 | 2.4   | 107   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.321 | 0.327 | -1.9  | 108   | 0.00     |
| 52 C | Acenaphthene               | 1.246 | 1.187 | 4.7   | 104   | 0.00     |
| 53   | 3-Nitroaniline             | 0.355 | 0.361 | -1.7  | 108   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.138 | 0.136 | 1.4   | 105   | 0.00     |
| 55   | Dibenzofuran               | 1.851 | 1.753 | 5.3   | 105   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.256 | 0.247 | 3.5   | 99    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.431 | 0.457 | -6.0  | 111   | 0.00     |
| 58   | Fluorene                   | 1.482 | 1.406 | 5.1   | 105   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.388 | 0.374 | 3.6   | 102   | 0.00     |
| 60   | Diethylphthalate           | 1.531 | 1.516 | 1.0   | 108   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.810 | 0.772 | 4.7   | 106   | 0.00     |
| 62   | 4-Nitroaniline             | 0.370 | 0.383 | -3.5  | 110   | 0.00     |
| 63   | Azobenzene                 | 1.445 | 1.401 | 3.0   | 105   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.098 | 0.101 | -3.1  | 111   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.612 | 0.581 | 5.1   | 105   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.234 | 0.224 | 4.3   | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 0.267 | 0.251 | 6.0   | 106   | 0.00     |
| 69   | Atrazine                   | 0.201 | 0.197 | 2.0   | 106   | 0.00     |
| 70 C | Pentachlorophenol          | 0.128 | 0.128 | 0.0   | 106   | 0.00     |
| 71   | Phenanthrene               | 1.122 | 1.048 | 6.6   | 105   | 0.00     |
| 72   | Anthracene                 | 1.084 | 1.026 | 5.4   | 106   | 0.00     |
| 73   | Carbazole                  | 1.006 | 0.953 | 5.3   | 106   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.164 | 1.223 | -5.1  | 112   | 0.00     |
| 75 C | Fluoranthene               | 1.295 | 1.228 | 5.2   | 105   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 77   | Benzydine                  | 0.472 | 0.448 | 5.1   | 92    | 0.00     |
| 78   | Pyrene                     | 1.357 | 1.356 | 0.1   | 104   | 0.00     |
| 79 S | Terphenyl-d14              | 1.035 | 1.017 | 1.7   | 104   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.506 | 0.599 | -18.4 | 116   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.319 | 1.273 | 3.5   | 102   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.455 | 0.458 | -0.7  | 104   | 0.00     |
| 83   | Chrysene                   | 1.267 | 1.208 | 4.7   | 101   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.745 | 0.840 | -12.8 | 113   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.242 | 1.416 | -14.0 | 113   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.443 | 1.321 | 8.5   | 99    | 0.01     |
| 88   | Benzo(b)fluoranthene       | 1.309 | 1.183 | 9.6   | 99    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.292 | 1.192 | 7.7   | 98    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.212 | 1.123 | 7.3   | 100   | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.203 | 1.102 | 8.4   | 98    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.164 | 1.070 | 8.1   | 99    | 0.00     |

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

(#) = Out of Range

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