

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042121\  
 Data File : BM029570.D  
 Acq On : 21 Apr 2021 15:03  
 Operator : CG/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ICVBM042121

Quant Time: Apr 21 15:54:32 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 21 15:14:18 2021  
 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   | 103   | 0.01     |
| 2    | 1,4-Dioxane                 | 0.402 | 0.394 | 2.0   | 100   | 0.01     |
| 3    | Pyridine                    | 1.025 | 1.085 | -5.9  | 103   | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.503 | 0.489 | 2.8   | 96    | 0.01     |
| 5 S  | 2-Fluorophenol              | 0.998 | 1.013 | -1.5  | 103   | 0.02     |
| 6    | Aniline                     | 1.638 | 1.718 | -4.9  | 103   | 0.01     |
| 7 S  | Phenol-d6                   | 1.490 | 1.548 | -3.9  | 102   | 0.02     |
| 8    | 2-Chlorophenol              | 1.240 | 1.261 | -1.7  | 102   | 0.02     |
| 9    | Benzaldehyde                | 0.847 | 0.827 | 2.4   | 106   | 0.02     |
| 10 C | Phenol                      | 1.444 | 1.490 | -3.2  | 102   | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.102 | 1.136 | -3.1  | 101   | 0.01     |
| 12   | 1,3-Dichlorobenzene         | 1.429 | 1.440 | -0.8  | 102   | 0.02     |
| 13 C | 1,4-Dichlorobenzene         | 1.464 | 1.464 | 0.0   | 103   | 0.01     |
| 14   | 1,2-Dichlorobenzene         | 1.459 | 1.464 | -0.3  | 102   | 0.02     |
| 15   | Benzyl Alcohol              | 1.083 | 1.149 | -6.1  | 101   | 0.01     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.452 | 1.443 | 0.6   | 100   | 0.02     |
| 17   | 2-Methylphenol              | 1.006 | 1.053 | -4.7  | 101   | 0.01     |
| 18   | Hexachloroethane            | 0.529 | 0.535 | -1.1  | 103   | 0.01     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.087 | 1.136 | -4.5  | 102   | 0.02     |
| 20   | 3+4-Methylphenols           | 1.384 | 1.462 | -5.6  | 103   | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 101   | 0.01     |
| 22   | Acetophenone                | 0.480 | 0.504 | -5.0  | 105   | 0.01     |
| 23 S | Nitrobenzene-d5             | 0.388 | 0.408 | -5.2  | 102   | 0.02     |
| 24   | Nitrobenzene                | 0.393 | 0.409 | -4.1  | 102   | 0.02     |
| 25   | Isophorone                  | 0.730 | 0.763 | -4.5  | 101   | 0.01     |
| 26 C | 2-Nitrophenol               | 0.170 | 0.187 | -10.0 | 103   | 0.01     |
| 27   | 2,4-Dimethylphenol          | 0.262 | 0.278 | -6.1  | 102   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 0.361 | 0.376 | -4.2  | 102   | 0.01     |
| 29 C | 2,4-Dichlorophenol          | 0.346 | 0.368 | -6.4  | 102   | 0.01     |
| 30   | 1,2,4-Trichlorobenzene      | 0.398 | 0.409 | -2.8  | 102   | 0.01     |
| 31   | Naphthalene                 | 1.028 | 1.042 | -1.4  | 101   | 0.02     |
| 32   | Benzoic acid                | 0.202 | 0.231 | -14.4 | 106   | 0.02     |
| 33   | 4-Chloroaniline             | 0.406 | 0.436 | -7.4  | 102   | 0.01     |
| 34 C | Hexachlorobutadiene         | 0.254 | 0.261 | -2.8  | 103   | 0.01     |
| 35   | Caprolactam                 | 0.105 | 0.112 | -6.7  | 104   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.338 | 0.360 | -6.5  | 103   | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.823 | 0.841 | -2.2  | 101   | 0.02     |
| 38   | 1-Methylnaphthalene         | 0.785 | 0.802 | -2.2  | 102   | 0.02     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 102   | 0.01     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.600 | 0.631 | -5.2  | 103   | 0.01     |
| 41 P | Hexachlorocyclopentadiene   | 0.335 | 0.347 | -3.6  | 102   | 0.01     |
| 42 S | 2,4,6-Tribromophenol        | 0.277 | 0.293 | -5.8  | 103   | 0.02     |
| 43 C | 2,4,6-Trichlorophenol       | 0.412 | 0.449 | -9.0  | 103   | 0.01     |
| 44   | 2,4,5-Trichlorophenol       | 0.455 | 0.488 | -7.3  | 102   | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 1.474 | 1.524 | -3.4  | 101   | 0.01     |
| 46   | 1,1'-Biphenyl               | 1.462 | 1.517 | -3.8  | 102   | 0.01     |
| 47   | 2-Chloronaphthalene         | 1.170 | 1.219 | -4.2  | 101   | 0.02     |

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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             | 0.294 | 0.330 | -12.2 | 101   | 0.01     |
| 49   | Acenaphthylene             | 1.794 | 1.885 | -5.1  | 101   | 0.01     |
| 50   | Dimethylphthalate          | 1.512 | 1.588 | -5.0  | 103   | 0.01     |
| 51   | 2,6-Dinitrotoluene         | 0.333 | 0.358 | -7.5  | 103   | 0.01     |
| 52 C | Acenaphthene               | 1.124 | 1.165 | -3.6  | 102   | 0.01     |
| 53   | 3-Nitroaniline             | 0.278 | 0.315 | -13.3 | 104   | 0.01     |
| 54 P | 2,4-Dinitrophenol          | 0.183 | 0.207 | -13.1 | 102   | 0.01     |
| 55   | Dibenzofuran               | 1.897 | 1.968 | -3.7  | 102   | 0.01     |
| 56 P | 4-Nitrophenol              | 0.246 | 0.268 | -8.9  | 105   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.449 | 0.497 | -10.7 | 104   | 0.01     |
| 58   | Fluorene                   | 1.593 | 1.669 | -4.8  | 102   | 0.02     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.405 | 0.442 | -9.1  | 105   | 0.01     |
| 60   | Diethylphthalate           | 1.484 | 1.559 | -5.1  | 102   | 0.01     |
| 61   | 4-Chlorophenyl-phenylether | 0.806 | 0.836 | -3.7  | 102   | 0.01     |
| 62   | 4-Nitroaniline             | 0.291 | 0.324 | -11.3 | 101   | 0.01     |
| 63   | Azobenzene                 | 1.409 | 1.492 | -5.9  | 102   | 0.01     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 102   | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.133 | 0.140 | -5.3  | 103   | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.618 | 0.640 | -3.6  | 101   | 0.01     |
| 67   | 4-Bromophenyl-phenylether  | 0.209 | 0.220 | -5.3  | 102   | 0.01     |
| 68   | Hexachlorobenzene          | 0.237 | 0.244 | -3.0  | 102   | 0.01     |
| 69   | Atrazine                   | 0.221 | 0.239 | -8.1  | 102   | 0.01     |
| 70 C | Pentachlorophenol          | 0.155 | 0.163 | -5.2  | 106   | 0.01     |
| 71   | Phenanthrene               | 1.152 | 1.179 | -2.3  | 102   | 0.02     |
| 72   | Anthracene                 | 1.136 | 1.181 | -4.0  | 102   | 0.01     |
| 73   | Carbazole                  | 1.064 | 1.115 | -4.8  | 102   | 0.01     |
| 74   | Di-n-butylphthalate        | 1.156 | 1.227 | -6.1  | 101   | 0.01     |
| 75 C | Fluoranthene               | 1.396 | 1.449 | -3.8  | 102   | 0.01     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 102   | 0.02     |
| 77   | Benzidine                  | 0.423 | 0.472 | -11.6 | 98    | 0.01     |
| 78   | Pyrene                     | 1.287 | 1.297 | -0.8  | 102   | 0.01     |
| 79 S | Terphenyl-d14              | 1.055 | 1.058 | -0.3  | 101   | 0.01     |
| 80   | Butylbenzylphthalate       | 0.482 | 0.503 | -4.4  | 102   | 0.01     |
| 81   | Benzo(a)anthracene         | 1.323 | 1.324 | -0.1  | 102   | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 0.423 | 0.431 | -1.9  | 101   | 0.02     |
| 83   | Chrysene                   | 1.300 | 1.293 | 0.5   | 101   | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.772 | 0.804 | -4.1  | 101   | 0.01     |
| 85 c | Di-n-octyl phthalate       | 1.295 | 1.342 | -3.6  | 102   | 0.01     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 103   | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.546 | 1.595 | -3.2  | 103   | 0.03     |
| 88   | Benzo(b)fluoranthene       | 1.304 | 1.328 | -1.8  | 102   | 0.02     |
| 89   | Benzo(k)fluoranthene       | 1.307 | 1.325 | -1.4  | 103   | 0.02     |
| 90 C | Benzo(a)pyrene             | 1.225 | 1.237 | -1.0  | 102   | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 1.333 | 1.380 | -3.5  | 104   | 0.03     |
| 92   | Benzo(g,h,i)perylene       | 1.233 | 1.275 | -3.4  | 103   | 0.04     |

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

(#) = Out of Range                      SPCC's out = 0    CCC's out = 0