

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF123124\  
 Data File : BF141047.D  
 Acq On : 31 Dec 2024 09:50  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Dec 31 10:37:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 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                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0    | 101   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 37.373 | 6.6    | 95    | 0.00     |
| 3    | Pyridine                    | 40.000 | 38.909 | 2.7    | 101   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.219 | 7.0    | 94    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 74.942 | 6.3    | 98    | 0.00     |
| 6    | Aniline                     | 40.000 | 38.722 | 3.2    | 93    | -0.02    |
| 7 S  | Phenol-d6                   | 80.000 | 73.971 | 7.5    | 96    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.756 | 3.1    | 99    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 46.524 | -16.3  | 111   | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.885 | 2.8    | 100   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 35.923 | 10.2   | 95    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.580 | 3.6    | 100   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 38.657 | 3.4    | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.228 | 4.4    | 99    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.763 | 5.6    | 96    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.789 | 10.5   | 93    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.080 | 4.8    | 97    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 39.098 | 2.3    | 101   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.768 | 10.6   | 94    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 37.368 | 6.6    | 96    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 98    | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.969 | 7.6    | 95    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 92.864 | -16.1  | 109   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 44.244 | -10.6  | 104   | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.420 | 6.4    | 95    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 49.343 | -23.4# | 137   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.644 | 3.4    | 98    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.653 | 5.9    | 96    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.235 | -0.6   | 100   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.347 | 1.6    | 99    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 38.067 | 4.8    | 97    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 47.485 | -18.7  | 134   | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.924 | 5.2    | 97    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.874 | 0.3    | 102   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.082 | 2.3    | 98    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.965 | 2.6    | 97    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.404 | 4.0    | 99    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.186 | 4.5    | 98    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 97    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.370 | -0.9   | 101   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 44.842 | -12.1  | 107   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 90.305 | -12.9  | 109   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 40.900 | -2.2   | 100   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 43.770 | -9.4   | 105   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 76.647 | 4.2    | 100   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.996 | 2.5    | 98    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.184 | 2.0    | 99    | 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                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 46.103 | -15.3  | 121   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.203 | 2.0    | 99    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.405 | 1.5    | 98    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 46.104 | -15.3  | 117   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.520 | -1.3   | 102   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 44.551 | -11.4  | 112   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 61.568 | -53.9# | 196   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.783 | 3.0    | 98    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 46.391 | -16.0  | 111   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 49.100 | -22.8  | 127   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.381 | 4.0    | 99    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.528 | -6.3   | 102   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.252 | 1.9    | 98    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 39.712 | 0.7    | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 43.755 | -9.4   | 111   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.738 | 5.7    | 95    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 96    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 56.489 | -41.2# | 169   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 39.190 | 2.0    | 98    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.503 | -3.8   | 102   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 40.596 | -1.5   | 101   | 0.00     |
| 69   | Atrazine                   | 40.000 | 32.006 | 20.0   | 87    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 45.045 | -12.6  | 104   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.177 | 4.6    | 96    | 0.00     |
| 72   | Anthracene                 | 40.000 | 38.522 | 3.7    | 97    | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.394 | 6.5    | 94    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.035 | 4.9    | 95    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 36.238 | 9.4    | 91    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 79    | 0.00     |
| 77   | Benzydine                  | 40.000 | 44.005 | -10.0  | 89    | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.474 | -8.7   | 89    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 87.419 | -9.3   | 91    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.239 | -5.6   | 81    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 37.717 | 5.7    | 76    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 41.967 | -4.9   | 87    | 0.00     |
| 83   | Chrysene                   | 40.000 | 40.257 | -0.6   | 83    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 38.867 | 2.8    | 78    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 40.408 | -1.0   | 80    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 98    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 47.468 | -18.7  | 112   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 36.722 | 8.2    | 89    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 36.414 | 9.0    | 92    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.260 | 4.4    | 95    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 47.249 | -18.1  | 110   | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 47.848 | -19.6  | 110   | 0.01     |

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| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 1