

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011723\  
 Data File : BG056308.D  
 Acq On : 17 Jan 2023 10:08  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 18 02:44:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 12 03:38:40 2023  
 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   | 113   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 38.179 | 4.6   | 102   | 0.00     |
| 3    | Pyridine                    | 40.000 | 37.516 | 6.2   | 102   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.035 | 7.4   | 99    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 80.759 | -0.9  | 113   | 0.00     |
| 6    | Aniline                     | 40.000 | 38.592 | 3.5   | 106   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.809 | 4.0   | 104   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 41.202 | -3.0  | 114   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 43.028 | -7.6  | 124   | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.623 | 3.4   | 106   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 39.319 | 1.7   | 109   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 40.791 | -2.0  | 115   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 40.945 | -2.4  | 113   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 40.745 | -1.9  | 113   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 36.706 | 8.2   | 98    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 46.860 | -17.1 | 131   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 38.889 | 2.8   | 105   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 42.003 | -5.0  | 117   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 35.615 | 11.0  | 99    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.146 | 4.6   | 103   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 105   | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.035 | 2.4   | 102   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 78.834 | 1.5   | 104   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 39.377 | 1.6   | 104   | 0.00     |
| 25   | Isophorone                  | 40.000 | 36.650 | 8.4   | 97    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 42.190 | -5.5  | 111   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.368 | 4.1   | 101   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 39.903 | 0.2   | 107   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 40.062 | -0.2  | 102   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 40.719 | -1.8  | 108   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 41.229 | -3.1  | 110   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 36.017 | 10.0  | 91    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 37.991 | 5.0   | 100   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 42.439 | -6.1  | 110   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 34.042 | 14.9  | 90    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 37.730 | 5.7   | 100   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.284 | 1.8   | 103   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.607 | 1.0   | 105   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 98    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 42.263 | -5.7  | 102   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 42.843 | -7.1  | 99    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 77.372 | 3.3   | 94    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 41.442 | -3.6  | 98    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 40.107 | -0.3  | 97    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 83.118 | -3.9  | 101   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 41.985 | -5.0  | 102   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 41.556 | -3.9  | 101   | 0.00     |

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|----------------------------|--------|--------|------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 40.054 | -0.1 | 97    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 40.507 | -1.3 | 98    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.015 | 2.5  | 95    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 39.238 | 1.9  | 98    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 40.690 | -1.7 | 98    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.184 | -0.5 | 97    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 36.942 | 7.6  | 86    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 39.794 | 0.5  | 96    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.312 | 6.7  | 89    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.078 | 2.3  | 93    | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.782 | 3.0  | 95    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.819 | 3.0  | 94    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.070 | 4.8  | 93    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.864 | 2.8  | 94    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 39.073 | 2.3  | 93    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 38.305 | 4.2  | 94    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 89    | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 41.404 | -3.5 | 88    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.551 | -6.4 | 94    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 41.684 | -4.2 | 92    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 42.277 | -5.7 | 93    | 0.00     |
| 69   | Atrazine                   | 40.000 | 40.345 | -0.9 | 87    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.995 | -2.5 | 88    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 40.928 | -2.3 | 90    | 0.00     |
| 72   | Anthracene                 | 40.000 | 40.512 | -1.3 | 89    | 0.00     |
| 73   | Carbazole                  | 40.000 | 40.213 | -0.5 | 88    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.873 | -4.7 | 91    | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 39.418 | 1.5  | 86    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 86    | 0.00     |
| 77   | Benzidine                  | 40.000 | 36.968 | 7.6  | 76    | 0.00     |
| 78   | Pyrene                     | 40.000 | 40.984 | -2.5 | 89    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.823 | 0.2  | 86    | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 42.354 | -5.9 | 90    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.790 | -2.0 | 87    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.450 | -1.1 | 84    | 0.00     |
| 83   | Chrysene                   | 40.000 | 41.178 | -2.9 | 88    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.059 | -7.6 | 92    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 43.160 | -7.9 | 91    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 86    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.694 | -4.2 | 88    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.524 | -1.3 | 85    | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 41.143 | -2.9 | 87    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.888 | -2.2 | 86    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 41.491 | -3.7 | 88    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 40.772 | -1.9 | 85    | 0.00     |

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

(#) = Out of Range

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