

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101121\  
 Data File : BG050531.D  
 Acq On : 11 Oct 2021 9:44  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTDCCC040

Quant Time: Oct 11 11:32:11 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 06 15:51:01 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                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0  | 103   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 32.253 | 19.4 | 83    | 0.00     |
| 3    | Pyridine                    | 40.000 | 35.732 | 10.7 | 93    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.585 | 6.0  | 101   | -0.01    |
| 5 S  | 2-Fluorophenol              | 80.000 | 73.685 | 7.9  | 98    | 0.00     |
| 6    | Aniline                     | 40.000 | 38.238 | 4.4  | 104   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 76.137 | 4.8  | 102   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 38.669 | 3.3  | 104   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.080 | -0.2 | 98    | 0.00     |
| 10 C | Phenol                      | 40.000 | 37.554 | 6.1  | 102   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 37.155 | 7.1  | 100   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.172 | 7.1  | 101   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 37.382 | 6.5  | 101   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.224 | 6.9  | 101   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 38.953 | 2.6  | 105   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.547 | 6.1  | 102   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.195 | 2.0  | 107   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 38.026 | 4.9  | 101   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.325 | 6.7  | 101   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 38.735 | 3.2  | 104   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 108   | 0.00     |
| 22   | Acetophenone                | 40.000 | 36.770 | 8.1  | 103   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 74.514 | 6.9  | 102   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 37.304 | 6.7  | 103   | 0.00     |
| 25   | Isophorone                  | 40.000 | 37.585 | 6.0  | 105   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 39.198 | 2.0  | 105   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 37.296 | 6.8  | 102   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.571 | 6.1  | 104   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 38.904 | 2.7  | 106   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.600 | 6.0  | 105   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.603 | 6.0  | 104   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 35.135 | 12.2 | 92    | 0.01     |
| 33   | 4-Chloroaniline             | 40.000 | 37.333 | 6.7  | 103   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 37.319 | 6.7  | 104   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 38.579 | 3.6  | 105   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 37.961 | 5.1  | 105   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 36.780 | 8.0  | 103   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.158 | 7.1  | 104   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 110   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 37.142 | 7.1  | 104   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 33.721 | 15.7 | 91    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 75.425 | 5.7  | 105   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 37.531 | 6.2  | 103   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.031 | 4.9  | 105   | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 73.822 | 7.7  | 104   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 36.706 | 8.2  | 104   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 37.443 | 6.4  | 105   | 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 | 39.366 | 1.6  | 107   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.178 | 7.1  | 105   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.318 | 6.7  | 105   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 38.003 | 5.0  | 104   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.294 | 6.8  | 104   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 38.642 | 3.4  | 107   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 33.188 | 17.0 | 89    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.182 | 7.0  | 106   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 37.062 | 7.3  | 103   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 38.707 | 3.2  | 108   | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.263 | 6.8  | 105   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 37.165 | 7.1  | 102   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.434 | 6.4  | 106   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.203 | 7.0  | 104   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 37.105 | 7.2  | 104   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 36.526 | 8.7  | 104   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0  | 109   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 36.824 | 7.9  | 101   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.252 | 6.9  | 103   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 38.003 | 5.0  | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.400 | 4.0  | 107   | 0.00     |
| 69   | Atrazine                   | 40.000 | 37.143 | 7.1  | 103   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 33.911 | 15.2 | 91    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 36.358 | 9.1  | 102   | 0.00     |
| 72   | Anthracene                 | 40.000 | 36.388 | 9.0  | 102   | 0.00     |
| 73   | Carbazole                  | 40.000 | 36.149 | 9.6  | 102   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 36.411 | 9.0  | 102   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 34.599 | 13.5 | 98    | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0  | 98    | 0.01     |
| 77   | Benzydine                  | 40.000 | 38.146 | 4.6  | 97    | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.110 | 2.2  | 97    | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 79.522 | 0.6  | 100   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 39.070 | 2.3  | 97    | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 38.463 | 3.8  | 98    | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 38.123 | 4.7  | 95    | 0.00     |
| 83   | Chrysene                   | 40.000 | 38.102 | 4.7  | 96    | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 39.407 | 1.5  | 98    | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.532 | 1.2  | 97    | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0  | 98    | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 37.809 | 5.5  | 95    | 0.02     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 38.624 | 3.4  | 96    | 0.01     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 37.713 | 5.7  | 94    | 0.01     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.166 | 4.6  | 95    | 0.01     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 37.809 | 5.5  | 95    | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 37.800 | 5.5  | 94    | 0.02     |

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

(#) = Out of Range

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