

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062722\  
 Data File : BG054090.D  
 Acq On : 27 Jun 2022 12:57  
 Operator : CG/JU  
 Sample : PB145813BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB145813BS

## Manual Integrations

## APPROVED

Reviewed By : Christian Giraldo 06/28/2022  
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 28 04:53:03 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 27 00:27:54 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.073  | 152  | 22745    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.881 | 136  | 103242   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.700 | 164  | 82927    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.444 | 188  | 199784   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.721 | 240  | 203095   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.976 | 264  | 209117   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.640  | 112  | 166129   | 139.646 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.232  | 99   | 233393   | 144.619 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.236  | 82   | 149415   | 81.329  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.187 | 330  | 143216   | 107.490 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.325 | 172  | 425018   | 74.527  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.047 | 244  | 847080   | 84.004  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.525  | 88   | 16216    | 31.182  | ng    | 94       |
| 3) Pyridine                   | 3.919  | 79   | 43977    | 31.689  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.836  | 42   | 28089    | 46.015  | ng    | # 90     |
| 6) Aniline                    | 7.391  | 93   | 71683    | 37.464  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.638  | 128  | 66410    | 52.281  | ng    | 97       |
| 9) Benzaldehyde               | 7.203  | 77   | 11930    | 12.525  | ng    | 91       |
| 10) Phenol                    | 7.262  | 94   | 88383    | 54.039  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.485  | 93   | 56843    | 45.280  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.961  | 146  | 66062    | 41.505  | ng    | 91       |
| 13) 1,4-Dichlorobenzene       | 8.108  | 146  | 67366    | 42.134  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.431  | 146  | 67498    | 43.977  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.308  | 79   | 64013    | 53.071  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.601  | 45   | 92382    | 49.227  | ng    | 98       |
| 17) 2-Methylphenol            | 8.513  | 107  | 61802    | 54.395  | ng    | # 91     |
| 18) Hexachloroethane          | 9.165  | 117  | 22900    | 43.175  | ng    | # 85     |
| 19) n-Nitroso-di-n-propyla... | 8.878  | 70   | 53133    | 49.005  | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.842  | 107  | 83721    | 52.543  | ng    | 94       |
| 22) Acetophenone              | 8.889  | 105  | 101438   | 40.421  | ng    | # 96     |
| 24) Nitrobenzene              | 9.277  | 77   | 75313    | 41.629  | ng    | # 88     |
| 25) Isophorone                | 9.800  | 82   | 147254   | 42.917  | ng    | # 94     |
| 26) 2-Nitrophenol             | 9.994  | 139  | 38201    | 47.807  | ng    | # 79     |
| 27) 2,4-Dimethylphenol        | 10.047 | 122  | 69886    | 54.035  | ng    | 88       |
| 28) bis(2-Chloroethoxy)met... | 10.282 | 93   | 87799    | 47.500  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.529 | 162  | 82168    | 47.384  | ng    | 90       |
| 30) 1,2,4-Trichlorobenzene    | 10.746 | 180  | 79967    | 37.243  | ng    | 96       |
| 31) Naphthalene               | 10.934 | 128  | 208712   | 40.045  | ng    | 99       |
| 32) Benzoic acid              | 10.200 | 122  | 28191    | 49.554  | ng    | # 83     |
| 33) 4-Chloroaniline           | 11.034 | 127  | 56435    | 26.101  | ng    | # 91     |
| 34) Hexachlorobutadiene       | 11.222 | 225  | 55669    | 33.723  | ng    | 99       |
| 35) Caprolactam               | 11.804 | 113  | 24816m   | 51.984  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.156 | 107  | 82398    | 48.880  | ng    | 86       |
| 37) 2-Methylnaphthalene       | 12.532 | 142  | 161234   | 41.812  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.749 | 142  | 155764   | 41.485  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.902 | 216  | 112952   | 35.348  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.885 | 237  | 111245   | 74.766  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.137 | 196  | 73683    | 41.051  | ng    | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.214 | 196  | 80906    | 40.369 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.537 | 154  | 234436   | 40.585 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.578 | 162  | 183454   | 39.243 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.772 | 65   | 58311    | 46.891 | ng    | 91       |
| 49) Acenaphthylene            | 14.424 | 152  | 309908   | 42.633 | ng    | 99       |
| 50) Dimethylphthalate         | 14.148 | 163  | 252917   | 40.046 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.265 | 165  | 55998    | 43.885 | ng    | # 80     |
| 52) Acenaphthene              | 14.765 | 154  | 210020m  | 45.326 | ng    |          |
| 53) 3-Nitroaniline            | 14.594 | 138  | 41316    | 33.421 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 14.806 | 184  | 58988    | 83.447 | ng    | # 80     |
| 55) Dibenzofuran              | 15.100 | 168  | 301572   | 40.395 | ng    | 94       |
| 56) 4-Nitrophenol             | 14.906 | 139  | 79855    | 90.985 | ng    | # 86     |
| 57) 2,4-Dinitrotoluene        | 15.059 | 165  | 79362    | 44.039 | ng    | # 84     |
| 58) Fluorene                  | 15.746 | 166  | 246343   | 40.189 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.323 | 232  | 75502    | 38.523 | ng    | # 95     |
| 60) Diethylphthalate          | 15.511 | 149  | 251161   | 41.065 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.734 | 204  | 142690   | 38.884 | ng    | 92       |
| 62) 4-Nitroaniline            | 15.758 | 138  | 53719    | 41.668 | ng    | # 74     |
| 63) Azobenzene                | 16.028 | 77   | 212395   | 43.142 | ng    | 90       |
| 65) 4,6-Dinitro-2-methylph... | 15.822 | 198  | 46222    | 46.374 | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 15.946 | 169  | 223778   | 42.978 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.627 | 248  | 99835    | 40.011 | ng    | 94       |
| 68) Hexachlorobenzene         | 16.757 | 284  | 108395   | 37.977 | ng    | 96       |
| 69) Atrazine                  | 16.892 | 200  | 92525    | 42.897 | ng    | 96       |
| 70) Pentachlorophenol         | 17.097 | 266  | 111628   | 84.194 | ng    | 97       |
| 71) Phenanthrene              | 17.485 | 178  | 420825   | 40.999 | ng    | 97       |
| 72) Anthracene                | 17.579 | 178  | 424322   | 42.333 | ng    | 100      |
| 73) Carbazole                 | 17.844 | 167  | 372527   | 43.300 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.402 | 149  | 437279   | 43.959 | ng    | # 97     |
| 75) Fluoranthene              | 19.495 | 202  | 521169   | 38.679 | ng    | 97       |
| 77) Benzidine                 | 19.665 | 184  | 168910   | 40.160 | ng    | 99       |
| 78) Pyrene                    | 19.853 | 202  | 530864   | 43.278 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.734 | 149  | 189592   | 48.221 | ng    | 93       |
| 81) Benzo(a)anthracene        | 21.698 | 228  | 544056   | 41.373 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.610 | 252  | 143124   | 36.429 | ng    | 95       |
| 83) Chrysene                  | 21.768 | 228  | 499226   | 39.828 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.604 | 149  | 276187   | 49.115 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.826 | 149  | 470620   | 48.693 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.707 | 276  | 602484   | 38.178 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.942 | 252  | 548577   | 43.145 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.013 | 252  | 529750   | 42.081 | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.829 | 252  | 525298   | 48.966 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 28.772 | 278  | 539847   | 41.369 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.871 | 276  | 523494   | 40.650 | ng    | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

