

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120722\  
 Data File : BG055915.D  
 Acq On : 7 Dec 2022 15:26  
 Operator : CG/JU  
 Sample : PB149462BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB149462BS

## Manual Integrations

## APPROVED

Reviewed By :Christian Giraldo 12/08/2022  
 Supervised By :mohammad ahmed 12/08/2022

Quant Time: Dec 08 05:05:56 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Dec 07 05:04:10 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.155  | 152  | 26721    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.987 | 136  | 131705   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.800 | 164  | 107102   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.538 | 188  | 262579   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.821 | 240  | 243074   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.170 | 264  | 242372   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.687  | 112  | 228120   | 154.310 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.321  | 99   | 307847   | 156.435 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.336  | 82   | 192392   | 77.209  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.287 | 330  | 178698   | 118.489 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.419 | 172  | 511091   | 71.491  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.129 | 244  | 967575   | 79.617  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.484  | 88   | 18596    | 29.435  | ng    | 94       |
| 3) Pyridine                   | 3.901  | 79   | 54705    | 28.226  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.819  | 42   | 42701    | 41.615  | ng    | 97       |
| 6) Aniline                    | 7.473  | 93   | 100501   | 40.660  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.720  | 128  | 81414    | 48.174  | ng    | 98       |
| 9) Benzaldehyde               | 7.285  | 77   | 33944m   | 25.398  | ng    |          |
| 10) Phenol                    | 7.344  | 94   | 109930   | 49.890  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.562  | 93   | 71436    | 42.305  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.043  | 146  | 79052    | 39.786  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.196  | 146  | 81572    | 40.627  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.519  | 146  | 80824    | 42.008  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.402  | 79   | 81144m   | 50.736  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.684  | 45   | 140665   | 46.016  | ng    | 98       |
| 17) 2-Methylphenol            | 8.607  | 107  | 78148    | 49.955  | ng    | 99       |
| 18) Hexachloroethane          | 9.254  | 117  | 28070    | 40.619  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.966  | 70   | 69948    | 46.262  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.936  | 107  | 108012   | 49.427  | ng    | 99       |
| 22) Acetophenone              | 8.989  | 105  | 131138   | 38.318  | ng    | 97       |
| 24) Nitrobenzene              | 9.377  | 77   | 98567    | 37.870  | ng    | 99       |
| 25) Isophorone                | 9.900  | 82   | 198036   | 41.945  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.094 | 139  | 49871    | 41.506  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 10.147 | 122  | 87371m   | 47.778  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 10.376 | 93   | 107833   | 42.544  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.640 | 162  | 92279    | 42.160  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.846 | 180  | 88783    | 34.915  | ng    | 98       |
| 31) Naphthalene               | 11.040 | 128  | 259835   | 36.495  | ng    | 100      |
| 32) Benzoic acid              | 10.317 | 122  | 38415m   | 25.533  | ng    |          |
| 33) 4-Chloroaniline           | 11.146 | 127  | 105065   | 35.773  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.310 | 225  | 60010    | 34.561  | ng    | 95       |
| 35) Caprolactam               | 11.927 | 113  | 34982m   | 46.185  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.268 | 107  | 107317   | 44.610  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.632 | 142  | 205764   | 38.598  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.855 | 142  | 197454   | 38.154  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 13.002 | 216  | 120995   | 35.949  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.973 | 237  | 77054    | 45.424  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.243 | 196  | 79329    | 34.552  | ng    | 99       |

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 QLast Update : Wed Dec 07 05:04:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.325 | 196  | 88737    | 35.171 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.631 | 154  | 286708   | 36.735 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.684 | 162  | 217256   | 35.813 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.884 | 65   | 80449    | 40.336 | ng    | 98       |
| 49) Acenaphthylene            | 14.524 | 152  | 366420   | 36.680 | ng    | 100      |
| 50) Dimethylphthalate         | 14.242 | 163  | 319238   | 37.391 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.371 | 165  | 69009    | 39.531 | ng    | 94       |
| 52) Acenaphthene              | 14.859 | 154  | 262942m  | 40.274 | ng    |          |
| 53) 3-Nitroaniline            | 14.706 | 138  | 63260    | 33.010 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.924 | 184  | 72079    | 71.813 | ng    | 98       |
| 55) Dibenzofuran              | 15.194 | 168  | 370685   | 36.804 | ng    | 99       |
| 56) 4-Nitrophenol             | 15.023 | 139  | 97577    | 64.876 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 15.159 | 165  | 100991   | 41.032 | ng    | 99       |
| 58) Fluorene                  | 15.840 | 166  | 298400   | 37.094 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.423 | 232  | 78768    | 32.220 | ng    | 99       |
| 60) Diethylphthalate          | 15.593 | 149  | 326307   | 37.802 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.822 | 204  | 164289   | 37.153 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.869 | 138  | 73706    | 36.793 | ng    | 96       |
| 63) Azobenzene                | 16.116 | 77   | 282340   | 37.466 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.928 | 198  | 57049    | 38.909 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 16.040 | 169  | 272006   | 37.588 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.716 | 248  | 110916   | 37.073 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.845 | 284  | 122333   | 36.876 | ng    | 99       |
| 69) Atrazine                  | 16.980 | 200  | 115350   | 40.304 | ng    | 99       |
| 70) Pentachlorophenol         | 17.197 | 266  | 134850   | 66.450 | ng    | 99       |
| 71) Phenanthrene              | 17.585 | 178  | 515133   | 36.354 | ng    | 99       |
| 72) Anthracene                | 17.673 | 178  | 516931   | 37.547 | ng    | 99       |
| 73) Carbazole                 | 17.944 | 167  | 472396   | 38.167 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.472 | 149  | 572200   | 37.232 | ng    | 99       |
| 75) Fluoranthene              | 19.583 | 202  | 613665   | 35.598 | ng    | 100      |
| 77) Benzidine                 | 19.753 | 184  | 279902   | 49.775 | ng    | 98       |
| 78) Pyrene                    | 19.941 | 202  | 619197   | 37.634 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.805 | 149  | 247363   | 38.404 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.804 | 228  | 620494   | 37.062 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.704 | 252  | 220200   | 37.431 | ng    | 98       |
| 83) Chrysene                  | 21.868 | 228  | 581318   | 36.473 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.669 | 149  | 359362   | 38.822 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.908 | 149  | 599323   | 37.833 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.031 | 276  | 712146   | 35.866 | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 24.101 | 252  | 649970   | 41.178 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.171 | 252  | 627355   | 39.872 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.012 | 252  | 567512   | 41.898 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.095 | 278  | 622072   | 38.339 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.247 | 276  | 614860   | 37.598 | ng    | 97       |

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

## Manual Integrations

Reviewed By :Christian Giraldo 12/08/2022  
Supervised By :mohammad ahmed 12/08/2022

Abundance

TIC: BG055915.D\data.ms

Time-->

1,4-Dioxane  
n-Propylamine  
2-Fluorophenol, S  
Phenol-d6, S  
Benzaldehyde, C  
bis(2-ethylhexyl) ether  
2,3-Dichlorobenzene, C  
1,4-Dichlorobenzene, C  
2,2'-oxybis[1-chlorobenzene]  
3,4-Dichlorobenzene, C  
Hexachlorobenzene-d5, S  
Hexachlorobenzene  
2-Nitrophenol  
2-Nitrophenol, S  
Benzoic acid bis(2-chloroethoxy)methane  
2,4-Dichlorophenol, C  
2,4-Dichlorophenol, S  
Naphthalene  
Hexachlorobutadiene, C  
Caprolactam  
4-Chloro-3-methylphenol, C  
2-Methylnaphthalene  
Hexachlorocyclopentadiene  
2,4,6-Trichlorophenol, C  
2-Chloronaphthalene  
2-Nitroaniline  
2,6-Dinitrotoluene  
3-Nitroaniline  
Acenaphthylene  
2,4-Dinitrophenol, C  
2,4-Dinitrophenol, S  
2,3,4,6-Tetrachlorophenol  
Diethylphthalate  
4-Chlorophenyl phenylether  
n-Nitrosodiphenylamine, C  
2,4,6-Trifluorophenol, S  
Acenaphthylene  
4-Bromophenyl phenylether  
Pentachlorophenol, C  
Phenanthrene-d10,1  
Phenanthrene  
Carbazole  
Di-n-butylphthalate  
Fluoranthene, C  
Pyrene  
Terphenyl-d14, S  
Butylbenzophthalate  
Bis(2-ethylhexyl)phthalate  
Chrysene  
Di-n-octyl phthalate, c  
Benzofluoranthene  
Benzofluoranthene  
Benzo(a)pyrene, C  
Perylene-d12,1  
Indeno(1,2,3-cd)pyrene  
Benzo(g,h,i)perylene