

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110121\  
 Data File : BP007789.D  
 Acq On : 01 Nov 2021 13:43  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut

Upadhyay

Quant Time: Nov 01 14:38:28 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP101321.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 01 14:37:50 2021

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.928  | 152  | 233158   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.734 | 136  | 840072   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.575 | 164  | 517319   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.328 | 188  | 1104647  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.422 | 240  | 1247619  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.869 | 264  | 1396023  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.505  | 112  | 1129444  | 80.288  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.099  | 99   | 1485626  | 78.386  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.093  | 82   | 1268263  | 93.170  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.063 | 330  | 563716   | 104.981 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.199 | 172  | 2861187  | 84.539  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.892 | 244  | 4760619  | 77.284  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.405  | 88   | 231284   | 37.473  | ng    | 98       |
| 3) Pyridine                   | 3.805  | 79   | 679845   | 40.791  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.711  | 42   | 265510   | 36.469  | ng    | 91       |
| 6) Aniline                    | 7.258  | 93   | 808368   | 37.134  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.493  | 128  | 575044   | 39.557  | ng    | 97       |
| 9) Benzaldehyde               | 7.064  | 77   | 397599   | 37.893  | ng    | 99       |
| 10) Phenol                    | 7.128  | 94   | 713100   | 38.767  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.352  | 93   | 555170   | 37.380  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.822  | 146  | 655087   | 38.711  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.964  | 146  | 661956   | 38.649  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.287  | 146  | 625241   | 38.385  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.169  | 79   | 519505   | 37.298  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.464  | 45   | 642329   | 33.084  | ng    | 99       |
| 17) 2-Methylphenol            | 8.375  | 107  | 469083   | 37.670  | ng    | 100      |
| 18) Hexachloroethane          | 9.016  | 117  | 231128   | 37.832  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.746  | 70   | 388773   | 35.218  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.705  | 107  | 641401   | 37.841  | ng    | 99       |
| 22) Acetophenone              | 8.752  | 105  | 820077   | 39.428  | ng    | 98       |
| 24) Nitrobenzene              | 9.134  | 77   | 594459   | 43.716  | ng    | 96       |
| 25) Isophorone                | 9.663  | 82   | 1025155  | 36.156  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.846  | 139  | 291529   | 49.724  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.911  | 122  | 449515   | 39.035  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.146 | 93   | 710392   | 38.435  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 551899   | 44.159  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.599 | 180  | 624972   | 42.758  | ng    | 97       |
| 31) Naphthalene               | 10.787 | 128  | 1665474  | 39.741  | ng    | 99       |
| 32) Benzoic acid              | 10.058 | 122  | 368746   | 50.561  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.893 | 127  | 700371   | 39.059  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.081 | 225  | 405611   | 43.985  | ng    | 98       |
| 35) Caprolactam               | 11.687 | 113  | 161044   | 63.338  | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 12.022 | 107  | 572047   | 41.348  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.399 | 142  | 1158670  | 39.358  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.616 | 142  | 1128149  | 39.446  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.769 | 216  | 682473   | 44.951  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.752 | 237  | 344103   | 41.574  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.004 | 196  | 463845   | 50.832  | ng    | 98       |

11/02/2021

Supervised By :mohammad

Ahmed

11/03/2021

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 01 14:37:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                                  |
|-------------------------------|--------|------|----------|--------|-------|----------|----------------------------------|
| 44) 2,4,5-Trichlorophenol     | 13.075 | 196  | 501353   | 55.247 | ng    | 96       | 11/02/2021                       |
| 46) 1,1'-Biphenyl             | 13.404 | 154  | 1508042  | 40.371 | ng    | 100      | Supervised By :mohammad<br>ahmed |
| 47) 2-Chloronaphthalene       | 13.446 | 162  | 1175508  | 40.926 | ng    | 99       |                                  |
| 48) 2-Nitroaniline            | 13.646 | 65   | 332696   | 46.633 | ng    | 99       |                                  |
| 49) Acenaphthylene            | 14.293 | 152  | 1818407  | 39.782 | ng    | 99       |                                  |
| 50) Dimethylphthalate         | 14.034 | 163  | 1506889  | 40.434 | ng    | 99       |                                  |
| 51) 2,6-Dinitrotoluene        | 14.146 | 165  | 318271   | 46.533 | ng    | 95       | 11/03/2021                       |
| 52) Acenaphthene              | 14.640 | 154  | 1081447  | 38.076 | ng    | 100      |                                  |
| 53) 3-Nitroaniline            | 14.475 | 138  | 346464   | 49.376 | ng    | # 98     |                                  |
| 54) 2,4-Dinitrophenol         | 14.681 | 184  | 164586   | 77.374 | ng    | 95       |                                  |
| 55) Dibenzofuran              | 14.969 | 168  | 1828370  | 40.452 | ng    | 100      |                                  |
| 56) 4-Nitrophenol             | 14.781 | 139  | 292933   | 52.010 | ng    | 97       |                                  |
| 57) 2,4-Dinitrotoluene        | 14.934 | 165  | 436114   | 47.865 | ng    | 90       |                                  |
| 58) Fluorene                  | 15.622 | 166  | 1384365  | 47.307 | ng    | 99       |                                  |
| 59) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 435112m  | 49.019 | ng    |          |                                  |
| 60) Diethylphthalate          | 15.398 | 149  | 1456900  | 38.686 | ng    | 100      |                                  |
| 61) 4-Chlorophenyl-phenyle... | 15.616 | 204  | 751626   | 49.254 | ng    | 98       |                                  |
| 62) 4-Nitroaniline            | 15.640 | 138  | 350691   | 52.054 | ng    | 99       |                                  |
| 63) Azobenzene                | 15.910 | 77   | 1295593  | 35.953 | ng    | 98       |                                  |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 259451   | 52.662 | ng    | 90       |                                  |
| 66) n-Nitrosodiphenylamine    | 15.834 | 169  | 1247518  | 39.510 | ng    | 99       |                                  |
| 67) 4-Bromophenyl-phenylether | 16.516 | 248  | 483119   | 42.846 | ng    | 98       |                                  |
| 68) Hexachlorobenzene         | 16.634 | 284  | 532549   | 42.851 | ng    | 95       |                                  |
| 69) Atrazine                  | 16.793 | 200  | 463818   | 40.622 | ng    | 98       |                                  |
| 70) Pentachlorophenol         | 16.981 | 266  | 349763   | 50.508 | ng    | 97       |                                  |
| 71) Phenanthrene              | 17.375 | 178  | 2307239  | 40.417 | ng    | 100      |                                  |
| 72) Anthracene                | 17.463 | 178  | 2269554  | 39.821 | ng    | 99       |                                  |
| 73) Carbazole                 | 17.734 | 167  | 2261543  | 39.651 | ng    | 100      |                                  |
| 74) Di-n-butylphthalate       | 18.292 | 149  | 2481833  | 37.722 | ng    | 99       |                                  |
| 75) Fluoranthene              | 19.339 | 202  | 2915357  | 42.129 | ng    | 99       |                                  |
| 77) Benzidine                 | 19.516 | 184  | 1121337  | 31.216 | ng    | 99       |                                  |
| 78) Pyrene                    | 19.692 | 202  | 3044677  | 36.832 | ng    | 100      |                                  |
| 80) Butylbenzylphthalate      | 20.569 | 149  | 1232877  | 37.699 | ng    | 99       |                                  |
| 81) Benzo(a)anthracene        | 21.404 | 228  | 3221312  | 39.347 | ng    | 99       |                                  |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 1065682  | 39.674 | ng    | 99       |                                  |
| 83) Chrysene                  | 21.463 | 228  | 3050703  | 39.443 | ng    | 99       |                                  |
| 84) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 1748052  | 35.633 | ng    | # 98     |                                  |
| 85) Di-n-octyl phthalate      | 22.280 | 149  | 3145916  | 37.163 | ng    | 97       |                                  |
| 87) Indeno(1,2,3-cd)pyrene    | 26.433 | 276  | 4042536  | 41.021 | ng    | 97       |                                  |
| 88) Benzo(b)fluoranthene      | 23.127 | 252  | 3387709  | 40.925 | ng    | 98       |                                  |
| 89) Benzo(k)fluoranthene      | 23.175 | 252  | 3179910  | 39.231 | ng    | 99       |                                  |
| 90) Benzo(a)pyrene            | 23.763 | 252  | 2822396  | 40.091 | ng    | 98       |                                  |
| 91) Dibenzo(a,h)anthracene    | 26.451 | 278  | 3340587  | 41.090 | ng    | 98       |                                  |
| 92) Benzo(g,h,i)perylene      | 27.221 | 276  | 3365549  | 40.983 | ng    | 97       |                                  |

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

