

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080123\  
 Data File : BP016444.D  
 Acq On : 01 Aug 2023 08:05  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/02/2023  
 Supervised By :mohammad ahmed 08/02/2023

Quant Time: Aug 01 15:45:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 01:48:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 285266   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.916 | 136  | 1246629  | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.728 | 164  | 789123   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.498 | 188  | 1764481  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.592 | 240  | 1813023  | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 24.192 | 264  | 2015822  | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.587  | 112  | 1447147  | 82.761 | ng    | -0.02    |
| 7) Phenol-d6                  | 7.211  | 99   | 2126453  | 88.723 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 9.275  | 82   | 1872564  | 84.085 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 16.222 | 330  | 825311   | 71.091 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.357 | 172  | 4463049  | 81.084 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.045 | 244  | 7025303  | 81.854 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.440  | 88   | 274773   | 40.291 | ng    | 98       |
| 3) Pyridine                   | 3.858  | 79   | 902669   | 44.281 | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.781  | 42   | 334328   | 43.498 | ng    | 97       |
| 6) Aniline                    | 7.410  | 93   | 1317462  | 44.503 | ng    | 99       |
| 8) 2-Chlorophenol             | 7.628  | 128  | 785030   | 42.819 | ng    | 95       |
| 9) Benzaldehyde               | 7.228  | 77   | 527712   | 51.282 | ng    | 97       |
| 10) Phenol                    | 7.240  | 94   | 1035779  | 44.502 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.511  | 93   | 819520   | 43.315 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.958  | 146  | 790964   | 40.188 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.116  | 146  | 807969   | 40.469 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.428  | 146  | 795834   | 41.401 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.328  | 79   | 742828   | 45.366 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.610  | 45   | 960203   | 44.750 | ng    | 99       |
| 17) 2-Methylphenol            | 8.510  | 107  | 753392   | 44.914 | ng    | 99       |
| 18) Hexachloroethane          | 9.157  | 117  | 291738   | 40.967 | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.899  | 70   | 685471   | 45.653 | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.846  | 107  | 1030751  | 45.245 | ng    | 99       |
| 22) Acetophenone              | 8.928  | 105  | 1314302  | 41.757 | ng    | # 99     |
| 24) Nitrobenzene              | 9.322  | 77   | 965844   | 42.226 | ng    | 98       |
| 25) Isophorone                | 9.834  | 82   | 1909627  | 42.473 | ng    | 99       |
| 26) 2-Nitrophenol             | 10.022 | 139  | 372051   | 38.407 | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 10.057 | 122  | 832272   | 41.377 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.322 | 93   | 1158514  | 42.066 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.546 | 162  | 762553   | 40.509 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.763 | 180  | 779299   | 38.221 | ng    | 98       |
| 31) Naphthalene               | 10.963 | 128  | 2678778  | 41.081 | ng    | 100      |
| 32) Benzoic acid              | 10.175 | 122  | 530784   | 41.239 | ng    | 99       |
| 33) 4-Chloroaniline           | 11.087 | 127  | 1259357  | 42.815 | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.204 | 225  | 440892   | 36.524 | ng    | 99       |
| 35) Caprolactam               | 11.899 | 113  | 300053   | 43.621 | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 12.181 | 107  | 909381   | 43.460 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.563 | 142  | 1954471  | 41.259 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.781 | 142  | 1843471  | 41.509 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.910 | 216  | 909129   | 37.911 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.869 | 237  | 443829   | 36.850 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.157 | 196  | 616884   | 40.091 | ng    | 99       |

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## Instrument :

BNA\_P

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/02/2023

Supervised By :mohammad ahmed 08/02/2023

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072723.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jul 28 01:48:25 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.222 | 196  | 750002   | 40.176 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.569 | 154  | 2449815  | 40.726 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.616 | 162  | 1845582  | 40.668 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.834 | 65   | 576943   | 45.101 | ng    | 97       |
| 49) Acenaphthylene            | 14.457 | 152  | 3138638  | 41.683 | ng    | 99       |
| 50) Dimethylphthalate         | 14.193 | 163  | 2519569  | 40.973 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.328 | 165  | 523334   | 41.542 | ng    | 92       |
| 52) Acenaphthene              | 14.792 | 154  | 1857154  | 41.476 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.663 | 138  | 623045   | 43.746 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.857 | 184  | 217458   | 41.209 | ng    | 95       |
| 55) Dibenzofuran              | 15.128 | 168  | 3016747  | 41.080 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.934 | 139  | 510275   | 45.769 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 15.104 | 165  | 716049   | 43.613 | ng    | 92       |
| 58) Fluorene                  | 15.781 | 166  | 2420416  | 41.953 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.339 | 232  | 602405   | 39.228 | ng    | 92       |
| 60) Diethylphthalate          | 15.545 | 149  | 2524231  | 41.305 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.775 | 204  | 1168083  | 40.122 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.828 | 138  | 644957   | 45.630 | ng    | 98       |
| 63) Azobenzene                | 16.069 | 77   | 2555907  | 44.294 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.857 | 198  | 339003   | 41.946 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.992 | 169  | 2159027  | 41.519 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.675 | 248  | 710011   | 38.002 | ng    | 94       |
| 68) Hexachlorobenzene         | 16.757 | 284  | 777792   | 37.330 | ng    | 94       |
| 69) Atrazine                  | 16.945 | 200  | 612040   | 39.576 | ng    | 99       |
| 70) Pentachlorophenol         | 17.116 | 266  | 559503   | 38.804 | ng    | 94       |
| 71) Phenanthrene              | 17.539 | 178  | 3937433  | 42.025 | ng    | 99       |
| 72) Anthracene                | 17.634 | 178  | 3974947  | 42.192 | ng    | 99       |
| 73) Carbazole                 | 17.910 | 167  | 3812830  | 43.167 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.428 | 149  | 4460429  | 43.649 | ng    | 99       |
| 75) Fluoranthene              | 19.498 | 202  | 4654768  | 42.387 | ng    | 98       |
| 77) Benzidine                 | 19.692 | 184  | 1724698  | 54.868 | ng    | 99       |
| 78) Pyrene                    | 19.851 | 202  | 4900818  | 40.324 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.716 | 149  | 2099365  | 43.969 | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.574 | 228  | 4996974  | 41.078 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.510 | 252  | 1711985  | 42.872 | ng #  | 99       |
| 83) Chrysene                  | 21.633 | 228  | 4804685  | 41.362 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.463 | 149  | 3130258  | 43.667 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.463 | 149  | 5497177  | 45.596 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.974 | 276  | 5443755  | 40.056 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.386 | 252  | 4876793  | 41.735 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.439 | 252  | 5141063m | 43.261 | ng    |          |
| 90) Benzo(a)pyrene            | 24.074 | 252  | 4790611  | 42.327 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 27.004 | 278  | 4589229  | 40.492 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.833 | 276  | 4314933  | 39.507 | ng    | 98       |

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

