

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072321\  
 Data File : BF124711.D  
 Acq On : 23 Jul 2021 13:59  
 Operator : JU/CG  
 Sample : PB137705BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB137705BS

Manual Integrations  
 APPROVED

mohammad  
 7/27/2021 12:03:34 PM

Quant Time: Jul 23 14:43:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 15:28:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 8370     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 31607    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 17453    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 30918    | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 20252    | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.509 | 264  | 15187    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 59584    | 120.532 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.504  | 99   | 71498    | 115.369 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 37803    | 71.185  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 18046    | 120.426 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 84789    | 71.354  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 81172    | 68.705  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.828  | 88   | 7999     | 46.291  | ng    | # 100    |
| 3) Pyridine                   | 3.557  | 79   | 17557    | 42.921  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.522  | 42   | 15382    | 47.550  | ng    | # 100    |
| 6) Aniline                    | 6.539  | 93   | 22126    | 34.740  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 25135    | 45.080  | ng    | 97       |
| 9) Benzaldehyde               | 6.422  | 77   | 11878    | 35.599  | ng    | 91       |
| 10) Phenol                    | 6.516  | 94   | 28197    | 47.512  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 22527    | 47.873  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 27767    | 45.820  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 28346    | 46.756  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 26176    | 44.687  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 19141    | 46.968  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 37553    | 47.416  | ng    | 99       |
| 17) 2-Methylphenol            | 7.122  | 107  | 19208    | 47.288  | ng    | 96       |
| 18) Hexachloroethane          | 7.386  | 117  | 11185    | 48.675  | ng    | # 87     |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 15693    | 47.421  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 25209    | 46.973  | ng    | 91       |
| 22) Acetophenone              | 7.286  | 105  | 35103    | 47.926  | ng    | 97       |
| 24) Nitrobenzene              | 7.457  | 77   | 23451    | 45.042  | ng    | 97       |
| 25) Isophorone                | 7.698  | 82   | 42194    | 44.934  | ng    | 96       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 13894    | 48.181  | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 23839    | 53.725  | ng    | 90       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 27832    | 51.004  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.010  | 162  | 21489    | 45.727  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 23706    | 46.026  | ng    | 99       |
| 31) Naphthalene               | 8.180  | 128  | 74987    | 45.461  | ng    | 99       |
| 32) Benzoic acid              | 7.939  | 122  | 17119    | 49.844  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 13310    | 21.459  | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 13810    | 44.855  | ng    | 98       |
| 35) Caprolactam               | 8.604  | 113  | 6691m    | 54.781  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 21560    | 48.099  | ng    | 90       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 50839    | 46.129  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 47074    | 45.086  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 22186    | 45.560  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 34727    | 120.536 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 16636    | 48.124  | ng    | 96       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 15567    | 43.857 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 60766    | 46.644 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 47968    | 46.512 | ng    | 95       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 12948    | 47.948 | ng    | 95       |
| 49) Acenaphthylene            | 9.780  | 152  | 75638    | 47.558 | ng    | 100      |
| 50) Dimethylphthalate         | 9.639  | 163  | 56082    | 46.667 | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 11973    | 45.097 | ng    | # 87     |
| 52) Acenaphthene              | 9.951  | 154  | 45347    | 43.011 | ng    | 96       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 8629     | 30.893 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 14451    | 94.129 | ng    | 93       |
| 55) Dibenzofuran              | 10.122 | 168  | 68861    | 45.707 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.027 | 139  | 21482    | 97.393 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 16518    | 45.847 | ng    | # 93     |
| 58) Fluorene                  | 10.463 | 166  | 52887    | 45.760 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232  | 12883    | 45.958 | ng    | # 95     |
| 60) Diethylphthalate          | 10.339 | 149  | 58729    | 46.996 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 26194    | 46.884 | ng    | 91       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 12524    | 45.315 | ng    | 91       |
| 63) Azobenzene                | 10.616 | 77   | 49777    | 45.024 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 8199     | 40.948 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.574 | 169  | 45163    | 45.076 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 15014    | 45.788 | ng    | 90       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 16249    | 47.714 | ng    | 92       |
| 69) Atrazine                  | 11.104 | 200  | 14540    | 47.731 | ng    | 95       |
| 70) Pentachlorophenol         | 11.204 | 266  | 19345    | 91.353 | ng    | 91       |
| 71) Phenanthrene              | 11.427 | 178  | 76192    | 45.819 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 78035    | 46.940 | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 65426    | 41.985 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 95830    | 46.170 | ng    | 98       |
| 75) Fluoranthene              | 12.616 | 202  | 75198    | 44.314 | ng    | 99       |
| 77) Benzidine                 | 12.733 | 184  | 38925    | 68.160 | ng    | 98       |
| 78) Pyrene                    | 12.845 | 202  | 75236    | 46.926 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 37323    | 48.603 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 60217    | 45.488 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 12105    | 32.949 | ng    | 97       |
| 83) Chrysene                  | 14.068 | 228  | 59380    | 46.559 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 55320    | 48.908 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 86648    | 47.207 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.986 | 276  | 40487    | 46.177 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 48483    | 45.342 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 48030    | 49.160 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 44052    | 49.318 | ng    | 96       |
| 91) Dibenzo(a,h)anthracene    | 17.009 | 278  | 34316    | 44.708 | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 33187    | 45.595 | ng    | # 92     |

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

