

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041921\  
 Data File : BP005343.D  
 Acq On : 19 Apr 2021 23:33  
 Operator : CG/JU  
 Sample : PB135840BSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB135840BSD

Manual Integrations  
 APPROVED

mohammad  
 4/21/2021 8:37:18 AM

Quant Time: Apr 20 02:11:00 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 20 02:04:17 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.646  | 152  | 37612    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.434 | 136  | 69316    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.310 | 164  | 50665    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188  | 130236   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.174 | 240  | 171764   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.427 | 264  | 159013   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.252  | 112  | 296405   | 118.11 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.840  | 99   | 327257   | 109.28 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.810  | 82   | 155415   | 61.84  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.810 | 330  | 118156   | 132.63 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.922 | 172  | 271909   | 70.98  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.651 | 244  | 638346   | 72.07  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.181  | 88   | 53645    | 32.16  | ng    | 99       |
| 3) Pyridine                   | 3.581  | 79   | 126501   | 37.53  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.493  | 42   | 39975    | 32.30  | ng    | # 73     |
| 6) Aniline                    | 6.987  | 93   | 65773    | 25.06  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.216  | 128  | 107795   | 45.88  | ng    | 90       |
| 9) Benzaldehyde               | 6.799  | 77   | 50763    | 38.05  | ng    | 82       |
| 10) Phenol                    | 6.864  | 94   | 128565   | 43.09  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.087  | 93   | 92624    | 42.40  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.534  | 146  | 135811   | 44.81  | ng    | # 93     |
| 13) 1,4-Dichlorobenzene       | 7.681  | 146  | 131447   | 45.18  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 7.993  | 146  | 124086   | 45.24  | ng    | 94       |
| 15) Benzyl Alcohol            | 7.899  | 79   | 54211    | 41.77  | ng    | 91       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187  | 45   | 57147    | 43.03  | ng    | 96       |
| 17) 2-Methylphenol            | 8.105  | 107  | 64100    | 44.28  | ng    | 93       |
| 18) Hexachloroethane          | 8.710  | 117  | 44737    | 40.85  | ng    | # 81     |
| 19) n-Nitroso-di-n-propyla... | 8.458  | 70   | 52150    | 39.50  | ng    | # 89     |
| 20) 3+4-Methylphenols         | 8.434  | 107  | 75011    | 42.79  | ng    | 97       |
| 22) Acetophenone              | 8.475  | 105  | 141567   | 43.49  | ng    | # 97     |
| 24) Nitrobenzene              | 8.852  | 77   | 92792    | 37.67  | ng    | # 90     |
| 25) Isophorone                | 9.375  | 82   | 110594   | 42.16  | ng    | # 93     |
| 26) 2-Nitrophenol             | 9.557  | 139  | 28369    | 42.40  | ng    | 88       |
| 27) 2,4-Dimethylphenol        | 9.628  | 122  | 49120    | 50.10  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 9.857  | 93   | 65395    | 48.88  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.099 | 162  | 52380    | 44.49  | ng    | 92       |
| 30) 1,2,4-Trichlorobenzene    | 10.299 | 180  | 73402    | 45.24  | ng    | 96       |
| 31) Naphthalene               | 10.487 | 128  | 176453   | 43.25  | ng    | 99       |
| 32) Benzoic acid              | 9.799  | 122  | 25820    | 38.62  | ng    | # 77     |
| 33) 4-Chloroaniline           | 10.616 | 127  | 8936     | 6.77   | ng    | # 91     |
| 34) Hexachlorobutadiene       | 10.763 | 225  | 62735    | 44.95  | ng    | 97       |
| 35) Caprolactam               | 11.416 | 113  | 10340m   | 36.03  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.751 | 107  | 48070    | 41.09  | ng    | 90       |
| 37) 2-Methylnaphthalene       | 12.110 | 142  | 116175   | 46.44  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.328 | 142  | 106412   | 43.81  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.481 | 216  | 91936    | 49.05  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.451 | 237  | 104569   | 139.46 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.734 | 196  | 43702    | 44.02  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.810 | 196  | 48395    | 44.07 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.134 | 154  | 156524   | 43.42 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.175 | 162  | 128591   | 43.79 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.398 | 65   | 30244    | 40.90 | ng    | # 86     |
| 49) Acenaphthylene            | 14.028 | 152  | 204267   | 45.95 | ng    | 99       |
| 50) Dimethylphthalate         | 13.775 | 163  | 142547   | 43.31 | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 13.898 | 165  | 34099    | 40.79 | ng    | 93       |
| 52) Acenaphthene              | 14.375 | 154  | 124976   | 42.17 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.234 | 138  | 9297     | 13.56 | ng    | 79       |
| 54) 2,4-Dinitrophenol         | 14.451 | 184  | 42075    | 90.04 | ng    | 91       |
| 55) Dibenzofuran              | 14.710 | 168  | 223635   | 41.74 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.563 | 139  | 46191    | 87.45 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 14.693 | 165  | 51605    | 40.45 | ng    | 93       |
| 58) Fluorene                  | 15.363 | 166  | 188699   | 43.06 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 57103    | 48.27 | ng    | 99       |
| 60) Diethylphthalate          | 15.145 | 149  | 151368   | 44.72 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.363 | 204  | 115804   | 46.68 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.404 | 138  | 26124    | 37.10 | ng    | 87       |
| 63) Azobenzene                | 15.657 | 77   | 198697   | 37.00 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 30962    | 36.43 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 15.581 | 169  | 148307   | 40.73 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.263 | 248  | 77132    | 48.23 | ng    | 92       |
| 68) Hexachlorobenzene         | 16.375 | 284  | 94111    | 46.25 | ng    | # 92     |
| 69) Atrazine                  | 16.545 | 200  | 55756    | 42.71 | ng    | 98       |
| 70) Pentachlorophenol         | 16.728 | 266  | 94087    | 95.29 | ng    | 96       |
| 71) Phenanthrene              | 17.116 | 178  | 317396   | 40.53 | ng    | 99       |
| 72) Anthracene                | 17.204 | 178  | 314931   | 42.57 | ng    | 100      |
| 73) Carbazole                 | 17.486 | 167  | 257050   | 38.38 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.039 | 149  | 238102   | 39.90 | ng    | 99       |
| 75) Fluoranthene              | 19.098 | 202  | 383872   | 40.24 | ng    | 96       |
| 77) Benzidine                 | 19.286 | 184  | 104855   | 46.39 | ng    | 99       |
| 78) Pyrene                    | 19.451 | 202  | 407099   | 43.32 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.328 | 149  | 85834    | 39.12 | ng    | 86       |
| 81) Benzo(a)anthracene        | 21.157 | 228  | 451398   | 41.78 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.098 | 252  | 62377    | 23.30 | ng    | # 99     |
| 83) Chrysene                  | 21.210 | 228  | 437809   | 40.71 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.086 | 149  | 135182   | 39.29 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 21.963 | 149  | 252921   | 39.65 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.739 | 276  | 521445   | 41.89 | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 22.745 | 252  | 453024   | 41.69 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 22.792 | 252  | 443041   | 42.52 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 23.333 | 252  | 383991   | 39.36 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 25.757 | 278  | 444179   | 40.85 | ng    | # 97     |
| 92) Benzo(g,h,i)perylene      | 26.451 | 276  | 419236   | 41.06 | ng    | # 94     |

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

