

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP011221\  
 Data File : BP004510.D  
 Acq On : 12 Jan 2021 18:13  
 Operator : CG/JU  
 Sample : PB134031BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB134031BS

Manual Integrations  
 APPROVED

mohammad  
 1/13/2021 3:14:52 PM

Quant Time: Jan 12 23:29:46 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270E-BP011221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 12 15:19:32 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 219563   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.610 | 136  | 802078   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.463 | 164  | 476904   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.228 | 188  | 993127   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.322 | 240  | 1014333  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.674 | 264  | 1094823  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.405  | 112  | 1632649  | 129.60 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.987  | 99   | 1944699  | 112.71 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.969  | 82   | 1127958  | 79.51  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 992424   | 119.69 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.081 | 172  | 2989028  | 81.48  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.792 | 244  | 4274012  | 76.98  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.334  | 88   | 193064   | 37.91  | ng    | # 92     |
| 3) Pyridine                   | 3.722  | 79   | 524321   | 38.42  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.640  | 42   | 190314   | 44.11  | ng    | 89       |
| 6) Aniline                    | 7.140  | 93   | 611499   | 31.15  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.381  | 128  | 634243   | 44.34  | ng    | 95       |
| 9) Benzaldehyde               | 6.952  | 77   | 94465    | 10.25  | ng    | 89       |
| 10) Phenol                    | 7.011  | 94   | 708252   | 42.81  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 7.240  | 93   | 568320   | 42.92  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.705  | 146  | 752407   | 42.54  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.852  | 146  | 762580   | 42.62  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.163  | 146  | 723599   | 42.35  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.052  | 79   | 474494   | 42.45  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.340  | 45   | 542212   | 38.62  | ng    | 94       |
| 17) 2-Methylphenol            | 8.258  | 107  | 491654   | 42.12  | ng    | 98       |
| 18) Hexachloroethane          | 8.887  | 117  | 259528   | 41.97  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.616  | 70   | 376306   | 38.89  | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.587  | 107  | 661347   | 41.52  | ng    | 99       |
| 22) Acetophenone              | 8.634  | 105  | 839233   | 42.39  | ng    | # 96     |
| 24) Nitrobenzene              | 9.016  | 77   | 591900   | 42.64  | ng    | 93       |
| 25) Isophorone                | 9.540  | 82   | 1073573  | 41.96  | ng    | 96       |
| 26) 2-Nitrophenol             | 9.722  | 139  | 340227   | 44.46  | ng    | # 92     |
| 27) 2,4-Dimethylphenol        | 9.787  | 122  | 538627   | 50.82  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.022 | 93   | 699647   | 39.86  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.263 | 162  | 607982   | 43.20  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.475 | 180  | 708934   | 41.87  | ng    | 99       |
| 31) Naphthalene               | 10.657 | 128  | 1877353  | 42.62  | ng    | 100      |
| 32) Benzoic acid              | 9.928  | 122  | 326118   | 39.02  | ng    | 91       |
| 33) 4-Chloroaniline           | 10.769 | 127  | 273102   | 14.35  | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.946 | 225  | 467800   | 41.11  | ng    | 99       |
| 35) Caprolactam               | 11.546 | 113  | 167546   | 37.28  | ng    | # 78     |
| 36) 4-Chloro-3-methylphenol   | 11.904 | 107  | 550961   | 41.11  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.275 | 142  | 1336201  | 41.26  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.493 | 142  | 1245796  | 40.52  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.651 | 216  | 778890   | 45.46  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.628 | 237  | 951542   | 88.21  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.893 | 196  | 494912   | 44.38  | ng    | 100      |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.969 | 196  | 527139   | 45.49 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.293 | 154  | 1688970  | 44.30 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.334 | 162  | 1337232  | 42.38 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.540 | 65   | 286254   | 39.23 | ng    | 84       |
| 49) Acenaphthylene            | 14.187 | 152  | 2040450  | 43.28 | ng    | 100      |
| 50) Dimethylphthalate         | 13.922 | 163  | 1610491  | 40.75 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.040 | 165  | 363707   | 43.17 | ng    | 95       |
| 52) Acenaphthene              | 14.528 | 154  | 1217097  | 42.35 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.369 | 138  | 184627   | 20.13 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 14.592 | 184  | 400864   | 69.20 | ng    | 97       |
| 55) Dibenzofuran              | 14.863 | 168  | 2003440  | 43.06 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.692 | 139  | 559634   | 87.92 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 14.840 | 165  | 493067   | 42.81 | ng    | 95       |
| 58) Fluorene                  | 15.516 | 166  | 1587157  | 42.72 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232  | 466944   | 42.93 | ng    | 91       |
| 60) Diethylphthalate          | 15.292 | 149  | 1566400  | 40.53 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 874575   | 41.66 | ng    | 92       |
| 62) 4-Nitroaniline            | 15.539 | 138  | 342601   | 35.38 | ng    | 96       |
| 63) Azobenzene                | 15.804 | 77   | 1228862  | 41.99 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198  | 286095   | 49.46 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.728 | 169  | 1390917  | 45.18 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.410 | 248  | 578197   | 43.56 | ng    | 94       |
| 68) Hexachlorobenzene         | 16.534 | 284  | 685748   | 43.25 | ng    | 93       |
| 69) Atrazine                  | 16.686 | 200  | 438595   | 40.50 | ng    | 97       |
| 70) Pentachlorophenol         | 16.881 | 266  | 702136   | 98.68 | ng    | 97       |
| 71) Phenanthrene              | 17.269 | 178  | 2473184  | 43.44 | ng    | 100      |
| 72) Anthracene                | 17.357 | 178  | 2531623  | 45.88 | ng    | 100      |
| 73) Carbazole                 | 17.633 | 167  | 2234371  | 43.45 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.181 | 149  | 2640412  | 42.49 | ng    | 99       |
| 75) Fluoranthene              | 19.239 | 202  | 2969113  | 42.86 | ng    | 100      |
| 77) Benzidine                 | 19.416 | 184  | 1255560  | 47.31 | ng    | 100      |
| 78) Pyrene                    | 19.592 | 202  | 3012729  | 43.65 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.463 | 149  | 1164904  | 41.73 | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.304 | 228  | 2995054  | 43.41 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.233 | 252  | 717448   | 28.85 | ng    | 98       |
| 83) Chrysene                  | 21.357 | 228  | 2854986  | 43.47 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.227 | 149  | 1739906  | 43.65 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.133 | 149  | 2962793  | 43.77 | ng    | # 97     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.104 | 276  | 4081776  | 48.31 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 22.963 | 252  | 3356761  | 47.37 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.010 | 252  | 3051241m | 45.15 | ng    |          |
| 90) Benzo(a)pyrene            | 23.574 | 252  | 2963350  | 44.83 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.115 | 278  | 3403618  | 48.82 | ng    | # 97     |
| 92) Benzo(g,h,i)perylene      | 26.845 | 276  | 3472803  | 50.58 | ng    | 96       |

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

