

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040921\  
 Data File : BP005259.D  
 Acq On : 09 Apr 2021 20:26  
 Operator : CG/JU  
 Sample : PB135623BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB135623BS

Manual Integrations  
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Quant Time: Apr 09 23:57:53 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP040921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 09 18:44:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.681  | 152  | 24411    | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.469 | 136  | 82614    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.339 | 164  | 51226    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.104 | 188  | 111762   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.204 | 240  | 135011   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.474 | 264  | 142261   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.281  | 112  | 329999   | 141.87 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.863  | 99   | 337432   | 127.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.839  | 82   | 230245   | 87.89  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.845 | 330  | 84907    | 131.31 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.951 | 172  | 327292   | 86.26  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.680 | 244  | 589584   | 85.79  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.210  | 88   | 53507    | 38.96  | ng    | 98       |
| 3) Pyridine                   | 3.610  | 79   | 140424   | 45.61  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.522  | 42   | 48084    | 52.90  | ng    | # 83     |
| 6) Aniline                    | 7.016  | 93   | 114415   | 40.05  | ng    | # 81     |
| 8) 2-Chlorophenol             | 7.245  | 128  | 77584    | 46.48  | ng    | # 68     |
| 9) Benzaldehyde               | 6.828  | 77   | 73262    | 41.92  | ng    | # 68     |
| 10) Phenol                    | 6.893  | 94   | 132181   | 48.63  | ng    | 74       |
| 11) bis(2-Chloroethyl)ether   | 7.110  | 93   | 97291    | 49.94  | ng    | 84       |
| 12) 1,3-Dichlorobenzene       | 7.563  | 146  | 82764    | 45.56  | ng    | # 82     |
| 13) 1,4-Dichlorobenzene       | 7.716  | 146  | 84924    | 47.35  | ng    | # 91     |
| 14) 1,2-Dichlorobenzene       | 8.028  | 146  | 77555    | 45.50  | ng    | # 90     |
| 15) Benzyl Alcohol            | 7.928  | 79   | 89619    | 48.75  | ng    | # 76     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.210  | 45   | 51418    | 45.33  | ng    | 64       |
| 17) 2-Methylphenol            | 8.128  | 107  | 69108    | 46.35  | ng    | # 79     |
| 18) Hexachloroethane          | 8.745  | 117  | 35638    | 45.81  | ng    | 89       |
| 19) n-Nitroso-di-n-propyla... | 8.487  | 70   | 76127    | 46.63  | ng    | # 82     |
| 20) 3+4-Methylphenols         | 8.463  | 107  | 90572    | 46.38  | ng    | # 85     |
| 22) Acetophenone              | 8.504  | 105  | 131359   | 45.13  | ng    | # 90     |
| 24) Nitrobenzene              | 8.881  | 77   | 121594   | 44.90  | ng    | # 65     |
| 25) Isophorone                | 9.410  | 82   | 192520   | 44.05  | ng    | # 82     |
| 26) 2-Nitrophenol             | 9.592  | 139  | 32360    | 43.03  | ng    | # 35     |
| 27) 2,4-Dimethylphenol        | 9.657  | 122  | 61653    | 50.62  | ng    | # 73     |
| 28) bis(2-Chloroethoxy)met... | 9.892  | 93   | 105737   | 51.04  | ng    | # 93     |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 60658    | 44.81  | ng    | 87       |
| 30) 1,2,4-Trichlorobenzene    | 10.334 | 180  | 69397    | 44.72  | ng    | 96       |
| 31) Naphthalene               | 10.516 | 128  | 198406   | 43.86  | ng    | 99       |
| 32) Benzoic acid              | 9.828  | 122  | 31878    | 39.90  | ng    | # 55     |
| 33) 4-Chloroaniline           | 10.639 | 127  | 37157    | 22.04  | ng    | # 73     |
| 34) Hexachlorobutadiene       | 10.798 | 225  | 49277    | 45.83  | ng    | 98       |
| 35) Caprolactam               | 11.439 | 113  | 19648m   | 43.73  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.781 | 107  | 80015    | 45.70  | ng    | # 73     |
| 37) 2-Methylnaphthalene       | 12.139 | 142  | 138239   | 45.07  | ng    | # 91     |
| 38) 1-Methylnaphthalene       | 12.363 | 142  | 127696   | 43.99  | ng    | # 96     |
| 40) 1,2,4,5-Tetrachloroben... | 12.516 | 216  | 81002    | 46.93  | ng    | # 95     |
| 41) Hexachlorocyclopentadiene | 12.486 | 237  | 101446   | 127.56 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.763 | 196  | 49951    | 46.06  | ng    | 94       |

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|-------------------------------|--------|------|----------|--------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 12.839 | 196  | 52832    | 44.65  | ng    | #        | 84  |
| 46) 1,1'-Biphenyl             | 13.163 | 154  | 180525   | 46.49  | ng    |          | 95  |
| 47) 2-Chloronaphthalene       | 13.204 | 162  | 140673   | 45.84  | ng    | #        | 92  |
| 48) 2-Nitroaniline            | 13.422 | 65   | 57160    | 43.19  | ng    | #        | 42  |
| 49) Acenaphthylene            | 14.063 | 152  | 232155   | 48.91  | ng    |          | 100 |
| 50) Dimethylphthalate         | 13.804 | 163  | 175921   | 46.78  | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 13.927 | 165  | 38206    | 45.68  | ng    | #        | 13  |
| 52) Acenaphthene              | 14.404 | 154  | 137351   | 47.37  | ng    |          | 98  |
| 53) 3-Nitroaniline            | 14.263 | 138  | 22952    | 28.43  | ng    | #        | 33  |
| 54) 2,4-Dinitrophenol         | 14.475 | 184  | 45770    | 85.32  | ng    | #        | 52  |
| 55) Dibenzofuran              | 14.745 | 168  | 222852   | 46.15  | ng    |          | 93  |
| 56) 4-Nitrophenol             | 14.586 | 139  | 66191    | 103.32 | ng    | #        | 1   |
| 57) 2,4-Dinitrotoluene        | 14.722 | 165  | 56250    | 48.38  | ng    | #        | 1   |
| 58) Fluorene                  | 15.398 | 166  | 185007   | 47.27  | ng    |          | 96  |
| 59) 2,3,4,6-Tetrachlorophenol | 14.974 | 232  | 49374    | 46.86  | ng    | #        | 94  |
| 60) Diethylphthalate          | 15.174 | 149  | 186662   | 48.53  | ng    |          | 99  |
| 61) 4-Chlorophenyl-phenyle... | 15.392 | 204  | 97900    | 47.67  | ng    |          | 97  |
| 62) 4-Nitroaniline            | 15.433 | 138  | 38256    | 44.47  | ng    | #        | 11  |
| 63) Azobenzene                | 15.686 | 77   | 284165   | 47.88  | ng    | #        | 78  |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 198  | 29711    | 39.59  | ng    |          | 66  |
| 66) n-Nitrosodiphenylamine    | 15.610 | 169  | 156416   | 46.32  | ng    |          | 97  |
| 67) 4-Bromophenyl-phenylether | 16.292 | 248  | 57333    | 44.90  | ng    | #        | 87  |
| 68) Hexachlorobenzene         | 16.404 | 284  | 64887    | 47.54  | ng    | #        | 89  |
| 69) Atrazine                  | 16.574 | 200  | 58073    | 49.15  | ng    |          | 99  |
| 70) Pentachlorophenol         | 16.757 | 266  | 80279    | 97.48  | ng    |          | 99  |
| 71) Phenanthrene              | 17.145 | 178  | 294050   | 46.54  | ng    |          | 99  |
| 72) Anthracene                | 17.239 | 178  | 295455   | 48.27  | ng    |          | 99  |
| 73) Carbazole                 | 17.516 | 167  | 268194   | 45.89  | ng    |          | 97  |
| 74) Di-n-butylphthalate       | 18.074 | 149  | 314820   | 48.21  | ng    | #        | 95  |
| 75) Fluoranthene              | 19.127 | 202  | 354977   | 45.81  | ng    |          | 99  |
| 77) Benzidine                 | 19.315 | 184  | 144758   | 58.59  | ng    |          | 99  |
| 78) Pyrene                    | 19.480 | 202  | 377117   | 44.94  | ng    |          | 99  |
| 80) Butylbenzylphthalate      | 20.357 | 149  | 139752   | 44.57  | ng    | #        | 59  |
| 81) Benzo(a)anthracene        | 21.186 | 228  | 408942   | 45.91  | ng    |          | 98  |
| 82) 3,3'-Dichlorobenzidine    | 21.127 | 252  | 93940    | 36.04  | ng    |          | 98  |
| 83) Chrysene                  | 21.239 | 228  | 396272   | 45.73  | ng    |          | 98  |
| 84) Bis(2-ethylhexyl)phtha... | 21.115 | 149  | 228150   | 46.31  | ng    |          | 100 |
| 85) Di-n-octyl phthalate      | 21.998 | 149  | 411533   | 46.50  | ng    | #        | 90  |
| 87) Indeno(1,2,3-cd)pyrene    | 25.809 | 276  | 542735   | 49.91  | ng    | #        | 94  |
| 88) Benzo(b)fluoranthene      | 22.786 | 252  | 439403   | 47.19  | ng    |          | 99  |
| 89) Benzo(k)fluoranthene      | 22.833 | 252  | 411796   | 46.14  | ng    |          | 98  |
| 90) Benzo(a)pyrene            | 23.374 | 252  | 391961   | 45.48  | ng    |          | 97  |
| 91) Dibenzo(a,h)anthracene    | 25.821 | 278  | 459711   | 48.49  | ng    | #        | 96  |
| 92) Benzo(g,h,i)perylene      | 26.521 | 276  | 448064   | 48.87  | ng    | #        | 93  |

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

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