

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030321\  
 Data File : BF123355.D  
 Acq On : 3 Mar 2021 14:36  
 Operator : JU/CG  
 Sample : PB134924BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB134924BS

Manual Integrations  
 APPROVED

mohammad  
 3/4/2021 11:32:31 AM

Quant Time: Mar 03 14:56:27 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF021921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 03 13:18:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.839  | 152  | 114886   | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 8.128  | 136  | 479695   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.886  | 164  | 242322   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.380 | 188  | 449301   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 344469   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 312372   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 979078   | 122.67 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.487  | 99   | 1298717  | 119.77 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 750895   | 71.66  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 283462   | 114.88 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1157307  | 68.60  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.968 | 244  | 1189168  | 66.38  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.699  | 88   | 183285   | 39.79  | ng    | 87       |
| 3) Pyridine                   | 3.440  | 79   | 504982   | 44.99  | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.398  | 42   | 245178   | 47.24  | ng    | 83       |
| 6) Aniline                    | 6.510  | 93   | 471376   | 36.80  | ng    | 92       |
| 8) 2-Chlorophenol             | 6.634  | 128  | 425262   | 49.59  | ng    | 92       |
| 9) Benzaldehyde               | 6.392  | 77   | 162835   | 26.36  | ng    | 90       |
| 10) Phenol                    | 6.498  | 94   | 565514   | 47.85  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.581  | 93   | 434820   | 51.30  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.787  | 146  | 446039   | 50.01  | ng    | # 94     |
| 13) 1,4-Dichlorobenzene       | 6.863  | 146  | 450879   | 49.60  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 432287m  | 51.12  | ng    |          |
| 15) Benzyl Alcohol            | 6.992  | 79   | 422465   | 49.97  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116  | 45   | 600308   | 51.63  | ng    | 92       |
| 17) 2-Methylphenol            | 7.104  | 107  | 363593   | 50.41  | ng    | # 92     |
| 18) Hexachloroethane          | 7.357  | 117  | 177948   | 54.19  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.257  | 70   | 330325   | 51.21  | ng    | 92       |
| 20) 3+4-Methylphenols         | 7.257  | 107  | 449848   | 47.50  | ng    | 90       |
| 22) Acetophenone              | 7.251  | 105  | 612057   | 49.19  | ng    | # 90     |
| 24) Nitrobenzene              | 7.428  | 77   | 526692   | 47.67  | ng    | 91       |
| 25) Isophorone                | 7.669  | 82   | 915539   | 46.72  | ng    | 96       |
| 26) 2-Nitrophenol             | 7.745  | 139  | 228587   | 49.39  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 359913   | 50.24  | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 543338   | 52.98  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.992  | 162  | 340142   | 45.98  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.069  | 180  | 373456   | 46.43  | ng    | 98       |
| 31) Naphthalene               | 8.151  | 128  | 1211322  | 46.08  | ng    | 99       |
| 32) Benzoic acid              | 7.933  | 122  | 253634   | 47.99  | ng    | 88       |
| 33) 4-Chloroaniline           | 8.198  | 127  | 287539   | 26.88  | ng    | # 92     |
| 34) Hexachlorobutadiene       | 8.269  | 225  | 205521   | 45.30  | ng    | 99       |
| 35) Caprolactam               | 8.575  | 113  | 121879m  | 49.10  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.692  | 107  | 421812   | 47.97  | ng    | 92       |
| 37) 2-Methylnaphthalene       | 8.845  | 142  | 812996   | 46.43  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.945  | 142  | 757395   | 46.24  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.010  | 216  | 345088   | 47.66  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 8.998  | 237  | 319623   | 94.22  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 233213   | 45.41  | ng    | 94       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.169  | 196  | 247283   | 45.00 | ng    | # 91     |
| 46) 1,1'-Biphenyl             | 9.310  | 154  | 970608   | 48.28 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.333  | 162  | 746792   | 47.08 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.433  | 65   | 292807   | 51.53 | ng    | # 79     |
| 49) Acenaphthylene            | 9.751  | 152  | 1141773  | 47.46 | ng    | 100      |
| 50) Dimethylphthalate         | 9.610  | 163  | 882906   | 48.72 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.675  | 165  | 198525   | 47.54 | ng    | # 72     |
| 52) Acenaphthene              | 9.922  | 154  | 871133m  | 52.51 | ng    |          |
| 53) 3-Nitroaniline            | 9.845  | 138  | 144043   | 31.08 | ng    | # 79     |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 215696   | 98.32 | ng    | # 81     |
| 55) Dibenzofuran              | 10.098 | 168  | 1026240  | 45.70 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 327580   | 88.68 | ng    | # 67     |
| 57) 2,4-Dinitrotoluene        | 10.080 | 165  | 273654   | 48.73 | ng    | # 82     |
| 58) Fluorene                  | 10.439 | 166  | 819302   | 46.36 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.216 | 232  | 204276   | 46.59 | ng    | # 83     |
| 60) Diethylphthalate          | 10.310 | 149  | 859199   | 47.88 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.427 | 204  | 388959   | 46.23 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.463 | 138  | 210907   | 45.20 | ng    | 84       |
| 63) Azobenzene                | 10.592 | 77   | 970245   | 46.93 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198  | 150894   | 49.89 | ng    | # 74     |
| 66) n-Nitrosodiphenylamine    | 10.551 | 169  | 712483   | 45.86 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.922 | 248  | 225297   | 45.99 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.992 | 284  | 240609   | 46.63 | ng    | # 92     |
| 69) Atrazine                  | 11.080 | 200  | 198734   | 40.48 | ng    | 98       |
| 70) Pentachlorophenol         | 11.192 | 266  | 287877   | 88.36 | ng    | 98       |
| 71) Phenanthrene              | 11.404 | 178  | 1228735  | 46.25 | ng    | 99       |
| 72) Anthracene                | 11.457 | 178  | 1268027  | 47.83 | ng    | 100      |
| 73) Carbazole                 | 11.616 | 167  | 1111945  | 44.54 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.939 | 149  | 1303253  | 46.69 | ng    | 99       |
| 75) Fluoranthene              | 12.598 | 202  | 1298467  | 46.11 | ng    | 100      |
| 77) Benzidine                 | 12.721 | 184  | 518305   | 46.58 | ng    | 100      |
| 78) Pyrene                    | 12.827 | 202  | 1311687  | 48.77 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 549945   | 48.37 | ng    | 90       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 1095607  | 46.80 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 281664   | 36.19 | ng    | # 95     |
| 83) Chrysene                  | 14.063 | 228  | 1071839  | 46.62 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 729262   | 46.60 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 1231137  | 46.04 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.986 | 276  | 951859   | 44.09 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 1108613  | 50.53 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.109 | 252  | 937625   | 47.14 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 908055   | 46.42 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.003 | 278  | 800306   | 43.21 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 754904   | 44.25 | ng    | 97       |

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

