

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012821\  
 Data File : BF123058.D  
 Acq On : 28 Jan 2021 13:52  
 Operator : JU/CG  
 Sample : PB134374BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB134374BS

Manual Integrations  
 APPROVED

mohammad  
 1/29/2021 10:33:34 AM

Quant Time: Jan 28 14:56:33 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 28 00:48:07 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 265378   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 1028680  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 549122   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.428 | 188  | 987825   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.086 | 240  | 825383   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.568 | 264  | 777644   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 1963276  | 114.12 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.522  | 99   | 2561463  | 109.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 1456296  | 71.25  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 713020   | 119.61 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 2634278  | 71.31  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.022 | 244  | 2995232  | 71.30  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.763  | 88   | 346764   | 40.51  | ng    | 95       |
| 3) Pyridine                   | 3.510  | 79   | 955841   | 41.76  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 420148   | 43.62  | ng    | 95       |
| 6) Aniline                    | 6.557  | 93   | 916264   | 31.92  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.681  | 128  | 835914   | 44.83  | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 251107   | 23.55  | ng    | 99       |
| 10) Phenol                    | 6.534  | 94   | 1015507m | 43.91  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 835115   | 43.39  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 904246   | 41.58  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 923151   | 40.76  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.069  | 146  | 854969   | 40.35  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 723901   | 44.28  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 1224967  | 41.28  | ng    | 97       |
| 17) 2-Methylphenol            | 7.145  | 107  | 705517   | 44.46  | ng    | 98       |
| 18) Hexachloroethane          | 7.410  | 117  | 338620   | 42.68  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 590349   | 42.10  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.293  | 107  | 833065   | 44.57  | ng    | # 87     |
| 22) Acetophenone              | 7.304  | 105  | 1108972  | 41.37  | ng    | 97       |
| 24) Nitrobenzene              | 7.475  | 77   | 907369   | 43.09  | ng    | 98       |
| 25) Isophorone                | 7.716  | 82   | 1662420  | 44.40  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.792  | 139  | 445116   | 51.11  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.828  | 122  | 798334   | 50.80  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 1052512  | 41.20  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.034  | 162  | 729844   | 44.42  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.122  | 180  | 759162   | 41.01  | ng    | 97       |
| 31) Naphthalene               | 8.198  | 128  | 2379216  | 42.17  | ng    | 99       |
| 32) Benzoic acid              | 7.951  | 122  | 551104   | 44.00  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.245  | 127  | 661958   | 26.43  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 435919   | 40.76  | ng    | 99       |
| 35) Caprolactam               | 8.616  | 113  | 228611m  | 41.16  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.728  | 107  | 766032   | 44.83  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.892  | 142  | 1599963  | 42.71  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.992  | 142  | 1503675  | 42.40  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 710244   | 41.58  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 813670   | 100.34 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.169  | 196  | 525642   | 44.88  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.216  | 196  | 546264   | 44.61 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 1912020  | 42.45 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.386  | 162  | 1525496  | 40.46 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.475  | 65   | 480962   | 42.09 | ng    | 87       |
| 49) Acenaphthylene            | 9.804  | 152  | 2319314  | 42.03 | ng    | 99       |
| 50) Dimethylphthalate         | 9.663  | 163  | 1785575  | 41.45 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 417745   | 45.52 | ng    | 99       |
| 52) Acenaphthene              | 9.975  | 154  | 1608449  | 45.38 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.886  | 138  | 310307   | 28.59 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 9.992  | 184  | 375569   | 88.68 | ng    | 96       |
| 55) Dibenzofuran              | 10.145 | 168  | 2093038  | 40.58 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.051 | 139  | 715990   | 91.27 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.122 | 165  | 560813   | 46.99 | ng    | 96       |
| 58) Fluorene                  | 10.492 | 166  | 1577365  | 38.28 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.263 | 232  | 454592   | 43.77 | ng    | 94       |
| 60) Diethylphthalate          | 10.363 | 149  | 1787470  | 42.19 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.481 | 204  | 754810   | 38.99 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.504 | 138  | 417928   | 38.33 | ng    | 97       |
| 63) Azobenzene                | 10.645 | 77   | 1738407  | 41.94 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198  | 269870   | 49.34 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.598 | 169  | 1478309  | 41.52 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.975 | 248  | 513974   | 40.85 | ng    | 95       |
| 68) Hexachlorobenzene         | 11.039 | 284  | 550249   | 40.78 | ng    | 96       |
| 69) Atrazine                  | 11.128 | 200  | 397941   | 40.47 | ng    | 99       |
| 70) Pentachlorophenol         | 11.233 | 266  | 659234   | 90.15 | ng    | 99       |
| 71) Phenanthrene              | 11.457 | 178  | 2381088  | 38.81 | ng    | 98       |
| 72) Anthracene                | 11.510 | 178  | 2464110  | 41.87 | ng    | 99       |
| 73) Carbazole                 | 11.663 | 167  | 2245489  | 41.11 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.992 | 149  | 2702912  | 41.73 | ng    | 99       |
| 75) Fluoranthene              | 12.651 | 202  | 2511467  | 40.96 | ng    | 99       |
| 77) Benzidine                 | 12.769 | 184  | 1033044  | 55.31 | ng    | 100      |
| 78) Pyrene                    | 12.880 | 202  | 2555171  | 41.01 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.498 | 149  | 1204337  | 44.92 | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.074 | 228  | 2286093  | 40.92 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.033 | 252  | 732973   | 41.69 | ng    | # 97     |
| 83) Chrysene                  | 14.110 | 228  | 2313513  | 41.38 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149  | 1562444  | 43.86 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.680 | 149  | 2794294  | 46.70 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.074 | 276  | 2362676  | 45.63 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.133 | 252  | 2547413  | 45.38 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.168 | 252  | 2150145  | 41.22 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.510 | 252  | 2131539  | 43.24 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.098 | 278  | 1974773  | 46.33 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.533 | 276  | 1921799  | 46.53 | ng    | 96       |

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

