

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022621\  
 Data File : BF123306.D  
 Acq On : 26 Feb 2021 16:49  
 Operator : JU/CG  
 Sample : PB134832BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB134832BS

Manual Integrations  
 APPROVED

mohammad  
 3/1/2021 12:36:36 PM

Quant Time: Feb 26 17:50:02 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF021921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 19 16:08:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.851  | 152  | 122331   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.133  | 136  | 502765   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.892  | 164  | 261004   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.386 | 188  | 494925   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 409760   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.504 | 264  | 363156   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 919383   | 108.18 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 1215206  | 105.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 715285   | 65.13  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 294207   | 110.70 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 1178214  | 64.84  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1308181  | 61.39  | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 151873   | 30.97  | ng    | 92       |
| 3) Pyridine                   | 3.422  | 79   | 408503   | 34.18  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.369  | 42   | 204275   | 36.97  | ng    | 82       |
| 6) Aniline                    | 6.516  | 93   | 422468   | 30.98  | ng    | 93       |
| 8) 2-Chlorophenol             | 6.639  | 128  | 373245   | 40.88  | ng    | 92       |
| 9) Benzaldehyde               | 6.398  | 77   | 159440   | 23.65  | ng    | 92       |
| 10) Phenol                    | 6.504  | 94   | 500139   | 39.75  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.587  | 93   | 374380   | 41.48  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.792  | 146  | 388507   | 40.91  | ng    | # 94     |
| 13) 1,4-Dichlorobenzene       | 6.869  | 146  | 391799   | 40.48  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 7.022  | 146  | 373144   | 41.44  | ng    | 95       |
| 15) Benzyl Alcohol            | 6.992  | 79   | 364444   | 40.48  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.128  | 45   | 503660   | 40.69  | ng    | 99       |
| 17) 2-Methylphenol            | 7.104  | 107  | 316044   | 41.15  | ng    | 92       |
| 18) Hexachloroethane          | 7.363  | 117  | 155435   | 44.46  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 291903   | 42.50  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.257  | 107  | 398612   | 39.53  | ng    | # 88     |
| 22) Acetophenone              | 7.257  | 105  | 540863   | 41.47  | ng    | # 88     |
| 24) Nitrobenzene              | 7.434  | 77   | 451642   | 39.00  | ng    | 90       |
| 25) Isophorone                | 7.675  | 82   | 798968   | 38.90  | ng    | 97       |
| 26) 2-Nitrophenol             | 7.751  | 139  | 193977   | 39.99  | ng    | # 87     |
| 27) 2,4-Dimethylphenol        | 7.786  | 122  | 314158   | 41.84  | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 7.881  | 93   | 479743   | 44.63  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.992  | 162  | 303769   | 39.18  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 8.075  | 180  | 334300   | 39.66  | ng    | 98       |
| 31) Naphthalene               | 8.157  | 128  | 1066704  | 38.71  | ng    | 99       |
| 32) Benzoic acid              | 7.922  | 122  | 225584   | 40.73  | ng    | 86       |
| 33) 4-Chloroaniline           | 8.204  | 127  | 280025   | 24.97  | ng    | # 93     |
| 34) Hexachlorobutadiene       | 8.275  | 225  | 188877   | 39.72  | ng    | 97       |
| 35) Caprolactam               | 8.575  | 113  | 103660m  | 39.85  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.692  | 107  | 375527   | 40.75  | ng    | 91       |
| 37) 2-Methylnaphthalene       | 8.851  | 142  | 727005   | 39.61  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.951  | 142  | 681085   | 39.68  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.016  | 216  | 317711   | 40.74  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 9.004  | 237  | 330476   | 90.44  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.128  | 196  | 212532   | 38.42  | ng    | 92       |

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|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 9.169  | 196  | 234797   | 39.67 | ng    | #        | 90  |
| 46) 1,1'-Biphenyl             | 9.316  | 154  | 890867   | 41.15 | ng    |          | 99  |
| 47) 2-Chloronaphthalene       | 9.339  | 162  | 667993   | 39.10 | ng    |          | 97  |
| 48) 2-Nitroaniline            | 9.433  | 65   | 259577   | 42.41 | ng    | #        | 73  |
| 49) Acenaphthylene            | 9.757  | 152  | 1028560  | 39.70 | ng    |          | 99  |
| 50) Dimethylphthalate         | 9.616  | 163  | 810863   | 41.54 | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 9.680  | 165  | 181485   | 40.35 | ng    | #        | 85  |
| 52) Acenaphthene              | 9.927  | 154  | 792685m  | 44.36 | ng    |          |     |
| 53) 3-Nitroaniline            | 9.851  | 138  | 134359   | 26.91 | ng    |          | 87  |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 205852   | 87.12 | ng    | #        | 79  |
| 55) Dibenzofuran              | 10.104 | 168  | 926911   | 38.32 | ng    |          | 97  |
| 56) 4-Nitrophenol             | 10.022 | 139  | 308367   | 77.51 | ng    | #        | 75  |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 250377   | 41.39 | ng    |          | 92  |
| 58) Fluorene                  | 10.445 | 166  | 754757   | 39.65 | ng    |          | 99  |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232  | 195002   | 41.29 | ng    | #        | 85  |
| 60) Diethylphthalate          | 10.322 | 149  | 797185   | 41.25 | ng    |          | 99  |
| 61) 4-Chlorophenyl-phenyle... | 10.433 | 204  | 370310   | 40.86 | ng    |          | 92  |
| 62) 4-Nitroaniline            | 10.469 | 138  | 193184   | 38.44 | ng    |          | 83  |
| 63) Azobenzene                | 10.598 | 77   | 881694   | 39.59 | ng    |          | 96  |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198  | 140625   | 42.21 | ng    | #        | 74  |
| 66) n-Nitrosodiphenylamine    | 10.557 | 169  | 661684   | 38.66 | ng    |          | 100 |
| 67) 4-Bromophenyl-phenylether | 10.927 | 248  | 215290   | 39.90 | ng    |          | 93  |
| 68) Hexachlorobenzene         | 10.998 | 284  | 228350   | 40.18 | ng    |          | 96  |
| 69) Atrazine                  | 11.086 | 200  | 194822   | 36.02 | ng    |          | 96  |
| 70) Pentachlorophenol         | 11.192 | 266  | 287583   | 80.13 | ng    |          | 99  |
| 71) Phenanthrene              | 11.410 | 178  | 1144337  | 39.10 | ng    |          | 99  |
| 72) Anthracene                | 11.463 | 178  | 1173964  | 40.20 | ng    |          | 99  |
| 73) Carbazole                 | 11.616 | 167  | 1032435  | 37.54 | ng    |          | 99  |
| 74) Di-n-butylphthalate       | 11.945 | 149  | 1276517  | 41.52 | ng    |          | 99  |
| 75) Fluoranthene              | 12.604 | 202  | 1235594  | 39.83 | ng    |          | 99  |
| 77) Benzidine                 | 12.727 | 184  | 465422   | 35.16 | ng    |          | 99  |
| 78) Pyrene                    | 12.833 | 202  | 1252568  | 39.15 | ng    |          | 100 |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 558947   | 41.33 | ng    |          | 89  |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 1086721  | 39.02 | ng    |          | 98  |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 285556   | 30.85 | ng    | #        | 99  |
| 83) Chrysene                  | 14.068 | 228  | 1076585  | 39.36 | ng    |          | 98  |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 766777   | 41.19 | ng    |          | 99  |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1296367  | 40.76 | ng    |          | 97  |
| 87) Indeno(1,2,3-cd)pyrene    | 16.986 | 276  | 1032530  | 41.14 | ng    |          | 97  |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1069104  | 41.92 | ng    |          | 99  |
| 89) Benzo(k)fluoranthene      | 15.109 | 252  | 1041733  | 45.05 | ng    |          | 100 |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 935454   | 41.13 | ng    |          | 99  |
| 91) Dibenzo(a,h)anthracene    | 17.003 | 278  | 874183   | 40.60 | ng    |          | 98  |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 835920   | 42.15 | ng    |          | 98  |

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

