

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022621\  
 Data File : BF123311.D  
 Acq On : 26 Feb 2021 19:49  
 Operator : JU/CG  
 Sample : M1475-02MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WA-CONMS

Manual Integrations  
 APPROVED

mohammad  
 3/1/2021 12:36:46 PM

Quant Time: Feb 26 23:28:12 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  | 116547   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.134  | 136  | 472205   | 20.00  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.892  | 164  | 250089   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.386 | 188  | 483186   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 413467   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.510 | 264  | 390464   | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 1005225  | 124.15 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.492  | 99   | 1244522  | 113.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 914263   | 88.63  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 369713   | 145.18 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 1485167  | 85.30  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1827588  | 84.99  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.752  | 88   | 140942   | 30.16  | ng    | # 78     |
| 3) Pyridine                   | 3.469  | 79   | 375745   | 33.00  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.399  | 42   | 213961   | 40.64  | ng    | 81       |
| 6) Aniline                    | 6.516  | 93   | 209780   | 16.15  | ng    | # 82     |
| 8) 2-Chlorophenol             | 6.640  | 128  | 409032   | 47.02  | ng    | 94       |
| 9) Benzaldehyde               | 6.398  | 77   | 113743   | 16.23  | ng    | 88       |
| 10) Phenol                    | 6.504  | 94   | 516795   | 43.11  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.587  | 93   | 412191   | 47.94  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.792  | 146  | 399799   | 44.18  | ng    | # 92     |
| 13) 1,4-Dichlorobenzene       | 6.869  | 146  | 410524   | 44.52  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 7.022  | 146  | 392845   | 45.79  | ng    | 95       |
| 15) Benzyl Alcohol            | 6.998  | 79   | 409880   | 47.79  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.128  | 45   | 545566   | 46.26  | ng    | 96       |
| 17) 2-Methylphenol            | 7.110  | 107  | 350778   | 47.94  | ng    | 92       |
| 18) Hexachloroethane          | 7.363  | 117  | 158808   | 47.67  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.269  | 70   | 325093   | 49.68  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.263  | 107  | 437795   | 45.57  | ng    | # 85     |
| 22) Acetophenone              | 7.263  | 105  | 593359   | 48.44  | ng    | # 90     |
| 24) Nitrobenzene              | 7.434  | 77   | 523784   | 48.16  | ng    | 88       |
| 25) Isophorone                | 7.675  | 82   | 899770   | 46.65  | ng    | 95       |
| 26) 2-Nitrophenol             | 7.751  | 139  | 219555   | 48.19  | ng    | 87       |
| 27) 2,4-Dimethylphenol        | 7.792  | 122  | 334328   | 47.40  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 7.881  | 93   | 524061   | 51.91  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.992  | 162  | 344610   | 47.33  | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 8.075  | 180  | 359214   | 45.37  | ng    | 98       |
| 31) Naphthalene               | 8.157  | 128  | 1159416  | 44.80  | ng    | 99       |
| 32) Benzoic acid              | 7.939  | 122  | 287905   | 55.34  | ng    | 84       |
| 33) 4-Chloroaniline           | 8.204  | 127  | 94687    | 8.99   | ng    | # 93     |
| 34) Hexachlorobutadiene       | 8.275  | 225  | 196119   | 43.91  | ng    | 99       |
| 35) Caprolactam               | 8.586  | 113  | 106669m  | 43.66  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.692  | 107  | 437979   | 50.60  | ng    | 88       |
| 37) 2-Methylnaphthalene       | 8.851  | 142  | 805024   | 46.70  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.951  | 142  | 747359   | 46.35  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.016  | 216  | 353201   | 47.26  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 9.004  | 237  | 339896   | 97.08  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.128  | 196  | 251296   | 47.41  | ng    | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022621\  
 Data File : BF123311.D  
 Acq On : 26 Feb 2021 19:49  
 Operator : JU/CG  
 Sample : M1475-02MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WA-CONMS

Manual Integrations  
 APPROVED

mohammad  
 3/1/2021 12:36:46 PM

Quant Time: Feb 26 23:28:12 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) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.175  | 196  | 275867   | 48.64  | ng    | # 89     |
| 46) 1,1'-Biphenyl             | 9.316  | 154  | 997171   | 48.07  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.339  | 162  | 764503   | 46.70  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.433  | 65   | 268408   | 45.77  | ng    | # 73     |
| 49) Acenaphthylene            | 9.757  | 152  | 1165862  | 46.96  | ng    | 99       |
| 50) Dimethylphthalate         | 9.622  | 163  | 973590   | 52.06  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.681  | 165  | 215853   | 50.08  | ng    | # 75     |
| 52) Acenaphthene              | 9.928  | 154  | 929678m  | 54.30  | ng    |          |
| 53) 3-Nitroaniline            | 9.845  | 138  | 109810   | 22.95  | ng    | # 77     |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 267245   | 118.04 | ng    | 95       |
| 55) Dibenzofuran              | 10.104 | 168  | 1086053  | 46.86  | ng    | 96       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 378775   | 99.36  | ng    | # 66     |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 303732   | 52.40  | ng    | # 82     |
| 58) Fluorene                  | 10.445 | 166  | 904598   | 49.59  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232  | 237594   | 52.51  | ng    | # 83     |
| 60) Diethylphthalate          | 10.322 | 149  | 982669   | 53.06  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204  | 433604   | 49.94  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 190049   | 39.47  | ng    | 82       |
| 63) Azobenzene                | 10.598 | 77   | 1043156  | 48.89  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 179139   | 55.08  | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.557 | 169  | 795634   | 47.62  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.928 | 248  | 259015   | 49.17  | ng    | # 92     |
| 68) Hexachlorobenzene         | 10.998 | 284  | 280781   | 50.60  | ng    | 97       |
| 69) Atrazine                  | 11.086 | 200  | 240183   | 45.49  | ng    | 98       |
| 70) Pentachlorophenol         | 11.192 | 266  | 361277   | 103.11 | ng    | 99       |
| 71) Phenanthrene              | 11.410 | 178  | 1394125  | 48.79  | ng    | 99       |
| 72) Anthracene                | 11.463 | 178  | 1428657  | 50.11  | ng    | 99       |
| 73) Carbazole                 | 11.622 | 167  | 1272503  | 47.39  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 1591818  | 53.03  | ng    | 99       |
| 75) Fluoranthene              | 12.604 | 202  | 1523783  | 50.31  | ng    | 100      |
| 77) Benzidine                 | 12.722 | 184  | 232857   | 17.44  | ng    | 99       |
| 78) Pyrene                    | 12.833 | 202  | 1548740  | 47.98  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 727216   | 53.29  | ng    | 88       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 1354027  | 48.19  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 168948   | 18.09  | ng    | # 96     |
| 83) Chrysene                  | 14.068 | 228  | 1349070  | 48.89  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 1012821  | 53.92  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 1749479  | 54.51  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.992 | 276  | 1307635  | 48.46  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 1426416  | 52.01  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 1271993  | 51.16  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 1189535  | 48.64  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.015 | 278  | 1104493  | 47.71  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 1031245  | 48.36  | ng    | 98       |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022621\  
Data File : BF123311.D  
Acq On : 26 Feb 2021 19:49  
Operator : JU/CG  
Sample : M1475-02MS  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
WA-CONMS

Manual Integrations  
APPROVED

mohammad  
3/1/2021 12:36:46 PM

Quant Time: Feb 26 23:28:12 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

