

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022321\  
 Data File : BF123282.D  
 Acq On : 23 Feb 2021 15:51  
 Operator : JU/CG  
 Sample : M1452-13MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4MS

Manual Integrations  
 APPROVED

mohammad  
 2/24/2021 10:19:33 AM

Quant Time: Feb 23 23:51:57 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     | 6.857  | 152  | 101798   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.139  | 136  | 419443   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.904  | 164  | 212657   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 407976   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 320792   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 252863   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 755473   | 106.82 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 976780   | 101.66 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 645155   | 70.41  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 230764   | 106.57 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 989997   | 66.87  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1056795  | 63.35  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 125000   | 30.63  | ng    | 90       |
| 3) Pyridine                   | 3.393  | 79   | 356591   | 35.86  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.334  | 42   | 186497   | 40.56  | ng    | 83       |
| 6) Aniline                    | 6.516  | 93   | 238632   | 21.03  | ng    | # 53     |
| 8) 2-Chlorophenol             | 6.645  | 128  | 349995   | 46.06  | ng    | 96       |
| 9) Benzaldehyde               | 6.404  | 77   | 136008   | 24.42  | ng    | 92       |
| 10) Phenol                    | 6.510  | 94   | 560077   | 53.49  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.593  | 93   | 344245   | 45.84  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.798  | 146  | 356940   | 45.16  | ng    | # 94     |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 360331   | 44.74  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 347651   | 46.40  | ng    | 96       |
| 15) Benzyl Alcohol            | 6.998  | 79   | 342278   | 45.69  | ng    | 92       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134  | 45   | 445974   | 43.29  | ng    | 97       |
| 17) 2-Methylphenol            | 7.116  | 107  | 301117   | 47.12  | ng    | 93       |
| 18) Hexachloroethane          | 7.369  | 117  | 140951   | 48.44  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 265471   | 46.44  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 373287   | 44.48  | ng    | # 86     |
| 22) Acetophenone              | 7.269  | 105  | 498495   | 45.82  | ng    | # 93     |
| 24) Nitrobenzene              | 7.440  | 77   | 414565   | 42.91  | ng    | 91       |
| 25) Isophorone                | 7.681  | 82   | 714390   | 41.69  | ng    | 97       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 182937   | 45.20  | ng    | # 88     |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 289969   | 46.29  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 7.887  | 93   | 423206   | 47.19  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 284577   | 44.00  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.081  | 180  | 305717   | 43.47  | ng    | 99       |
| 31) Naphthalene               | 8.163  | 128  | 986403   | 42.91  | ng    | 99       |
| 32) Benzoic acid              | 7.928  | 122  | 210739   | 45.60  | ng    | 91       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 79048    | 8.45   | ng    | # 91     |
| 34) Hexachlorobutadiene       | 8.281  | 225  | 167280   | 42.17  | ng    | 99       |
| 35) Caprolactam               | 8.587  | 113  | 100950m  | 46.51  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 352545   | 45.85  | ng    | 90       |
| 37) 2-Methylnaphthalene       | 8.857  | 142  | 660611   | 43.14  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.957  | 142  | 623493   | 43.54  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.022  | 216  | 291296   | 45.84  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 9.010  | 237  | 304285   | 102.21 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.139  | 196  | 198859   | 44.13  | ng    | 92       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.181  | 196  | 212535   | 44.07 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 806998   | 45.75 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 613224   | 44.06 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.445  | 65   | 235710   | 47.27 | ng #  | 83       |
| 49) Acenaphthylene            | 9.763  | 152  | 938679   | 44.46 | ng    | 99       |
| 50) Dimethylphthalate         | 9.622  | 163  | 743950   | 46.78 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 162681   | 44.39 | ng #  | 81       |
| 52) Acenaphthene              | 9.939  | 154  | 706781m  | 48.55 | ng    |          |
| 53) 3-Nitroaniline            | 9.851  | 138  | 86262    | 21.21 | ng #  | 70       |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 164582   | 85.49 | ng #  | 80       |
| 55) Dibenzofuran              | 10.110 | 168  | 845707   | 42.91 | ng    | 95       |
| 56) 4-Nitrophenol             | 10.028 | 139  | 291367   | 89.88 | ng #  | 69       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 225958   | 45.85 | ng    | 92       |
| 58) Fluorene                  | 10.451 | 166  | 682835   | 44.02 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232  | 175090   | 45.50 | ng #  | 86       |
| 60) Diethylphthalate          | 10.328 | 149  | 713710   | 45.32 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 326204   | 44.18 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.475 | 138  | 171938   | 41.99 | ng    | 85       |
| 63) Azobenzene                | 10.604 | 77   | 775786   | 42.75 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 117734   | 42.87 | ng #  | 73       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 591120   | 41.90 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 191070   | 42.96 | ng #  | 91       |
| 68) Hexachlorobenzene         | 11.004 | 284  | 206773   | 44.13 | ng    | 96       |
| 69) Atrazine                  | 11.092 | 200  | 167027   | 37.46 | ng    | 97       |
| 70) Pentachlorophenol         | 11.198 | 266  | 255908   | 86.50 | ng    | 99       |
| 71) Phenanthrene              | 11.416 | 178  | 1037610  | 43.01 | ng    | 99       |
| 72) Anthracene                | 11.469 | 178  | 1087468  | 45.17 | ng    | 99       |
| 73) Carbazole                 | 11.628 | 167  | 956882   | 42.21 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 1098119  | 43.33 | ng    | 99       |
| 75) Fluoranthene              | 12.610 | 202  | 1142615  | 44.68 | ng    | 98       |
| 77) Benzidine                 | 12.727 | 184  | 240180   | 23.18 | ng    | 99       |
| 78) Pyrene                    | 12.839 | 202  | 1158808  | 46.27 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 480709   | 45.41 | ng    | 89       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 960378   | 44.05 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 206341   | 28.47 | ng #  | 99       |
| 83) Chrysene                  | 14.074 | 228  | 934013   | 43.62 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 630549   | 43.26 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 1027022  | 41.24 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 774573   | 44.32 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 889802   | 50.10 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.116 | 252  | 742574   | 46.12 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 702785   | 44.38 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.015 | 278  | 641083   | 42.76 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.451 | 276  | 639019   | 46.28 | ng    | 100      |

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

