

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112720\  
 Data File : BF122498.D  
 Acq On : 27 Nov 2020 13:31  
 Operator : JU/CG  
 Sample : L4839-01MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B3-9-10MS

Manual Integrations  
 APPROVED

mohammad  
 11/30/2020 12:00:27 PM

Quant Time: Nov 27 14:11:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 24 14:38:56 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 200648   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 781842   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.898  | 164  | 422958   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 784339   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 654068   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 614951   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 979570   | 74.96 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 1229713  | 71.94 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 779787   | 61.06 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 397546   | 87.57 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 1445109  | 53.38 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.969 | 244  | 1598391  | 51.77 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 218765   | 36.51 | ng    | 87       |
| 3) Pyridine                   | 3.422  | 79   | 594885   | 36.09 | ng    | 89       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 271799   | 34.98 | ng    | 88       |
| 6) Aniline                    | 6.516  | 93   | 609946   | 27.19 | ng    | 96       |
| 8) 2-Chlorophenol             | 6.645  | 128  | 606551   | 44.76 | ng    | 89       |
| 9) Benzaldehyde               | 6.404  | 77   | 83318    | 6.20  | ng    | 95       |
| 10) Phenol                    | 6.510  | 94   | 788754   | 46.85 | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.593  | 93   | 569927   | 42.59 | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 6.798  | 146  | 658955   | 42.83 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 663446   | 42.93 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 630049   | 43.68 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 516149   | 42.47 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134  | 45   | 752171   | 38.57 | ng    | 94       |
| 17) 2-Methylphenol            | 7.116  | 107  | 492008   | 43.50 | ng    | 99       |
| 18) Hexachloroethane          | 7.369  | 117  | 238665   | 44.35 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 396782   | 38.84 | ng    | 92       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 577185   | 41.47 | ng    | 96       |
| 22) Acetophenone              | 7.269  | 105  | 764508   | 37.54 | ng    | # 93     |
| 24) Nitrobenzene              | 7.440  | 77   | 627791   | 42.96 | ng    | 96       |
| 25) Isophorone                | 7.681  | 82   | 1113851  | 39.12 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 323037   | 50.51 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 524790   | 39.08 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 709683   | 40.75 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 521434   | 43.86 | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 8.081  | 180  | 548015   | 41.76 | ng    | 97       |
| 31) Naphthalene               | 8.163  | 128  | 1689656  | 40.65 | ng    | 99       |
| 32) Benzoic acid              | 7.910  | 122  | 164907   | 26.46 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 421408   | 23.28 | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.281  | 225  | 326040   | 43.23 | ng    | 100      |
| 35) Caprolactam               | 8.587  | 113  | 162294m  | 43.07 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 543854   | 43.86 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.857  | 142  | 1143188  | 41.63 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.957  | 142  | 1067053  | 41.51 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.022  | 216  | 536869   | 41.19 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.010  | 237  | 600592   | 78.81 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.134  | 196  | 376644   | 44.50 | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 9.181  | 196  | 413035   | 46.55 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 1370657  | 40.71 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 1104204  | 41.32 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.439  | 65   | 335673   | 42.80 | ng    | 93       |
| 49) Acenaphthylene            | 9.763  | 152  | 1694422  | 41.26 | ng    | 99       |
| 50) Dimethylphthalate         | 9.628  | 163  | 1409921  | 46.90 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 302171   | 45.39 | ng    | # 77     |
| 52) Acenaphthene              | 9.933  | 154  | 1132258m | 44.54 | ng    |          |
| 53) 3-Nitroaniline            | 9.851  | 138  | 235552   | 32.18 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 217582   | 78.60 | ng    | 89       |
| 55) Dibenzofuran              | 10.104 | 168  | 1542806  | 41.42 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 504834   | 77.19 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 407170   | 48.27 | ng    | 92       |
| 58) Fluorene                  | 10.451 | 166  | 1173190  | 41.14 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232  | 345311   | 46.80 | ng    | 97       |
| 60) Diethylphthalate          | 10.322 | 149  | 1269035  | 43.03 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204  | 570416   | 42.37 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 312826   | 42.39 | ng    | 99       |
| 63) Azobenzene                | 10.598 | 77   | 1205318  | 38.96 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 183121   | 52.30 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 1090597  | 40.81 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 10.928 | 248  | 396916   | 43.06 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 432891   | 43.47 | ng    | 97       |
| 69) Atrazine                  | 11.086 | 200  | 306545   | 46.06 | ng    | 98       |
| 70) Pentachlorophenol         | 11.192 | 266  | 467371   | 81.46 | ng    | 98       |
| 71) Phenanthrene              | 11.410 | 178  | 1818606  | 40.87 | ng    | 98       |
| 72) Anthracene                | 11.463 | 178  | 1860379  | 40.56 | ng    | 99       |
| 73) Carbazole                 | 11.616 | 167  | 1684577  | 40.37 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 1928911  | 43.36 | ng    | 100      |
| 75) Fluoranthene              | 12.598 | 202  | 1912466  | 41.16 | ng    | 98       |
| 77) Benzidine                 | 12.722 | 184  | 585795   | 32.29 | ng    | 98       |
| 78) Pyrene                    | 12.833 | 202  | 1907833  | 41.52 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 826149   | 45.05 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 1712226  | 42.09 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 482226   | 31.81 | ng    | 99       |
| 83) Chrysene                  | 14.057 | 228  | 1684749  | 41.12 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 1080774  | 48.78 | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 1841949  | 49.05 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 1669479  | 45.24 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 1781109  | 44.72 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 1566148  | 40.33 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 1499660  | 43.19 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 1361879  | 44.06 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 1397656  | 46.50 | ng    | 98       |

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

