

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102220\  
 Data File : BF122085.D  
 Acq On : 22 Oct 2020 15:58  
 Operator : JU/CG  
 Sample : L4463-02MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-238MS

Manual Integrations  
 APPROVED

mohammad  
 10/23/2020 1:32:05 PM

Quant Time: Oct 22 16:24:33 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 21 12:04:42 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 96876    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.010  | 136  | 396832   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.763  | 164  | 204868   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.251 | 188  | 368226   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.892 | 240  | 221937   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.321 | 264  | 232429   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.357  | 112  | 601170   | 91.59 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.386  | 99   | 736741   | 87.19 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 520267   | 67.24 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.557 | 330  | 216259   | 85.33 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.086  | 172  | 798159   | 57.32 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.827 | 244  | 717170   | 61.58 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.451  | 88   | 107039   | 37.08 | ng    | 98       |
| 3) Pyridine                   | 3.175  | 79   | 301801   | 39.76 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.134  | 42   | 151958   | 41.42 | ng    | 96       |
| 6) Aniline                    | 6.398  | 93   | 177828   | 17.09 | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.522  | 128  | 294059   | 44.32 | ng    | 97       |
| 9) Benzaldehyde               | 6.281  | 77   | 124335   | 23.05 | ng    | 99       |
| 10) Phenol                    | 6.398  | 94   | 366376   | 42.02 | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.469  | 93   | 288460   | 42.79 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.669  | 146  | 312027   | 41.81 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.745  | 146  | 315588   | 42.12 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.898  | 146  | 295698   | 43.17 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.886  | 79   | 258791   | 47.35 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.010  | 45   | 443728   | 42.77 | ng    | 53       |
| 17) 2-Methylphenol            | 7.004  | 107  | 234032   | 41.26 | ng    | # 88     |
| 18) Hexachloroethane          | 7.234  | 117  | 118482   | 43.78 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.151  | 70   | 217481   | 45.21 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.163  | 107  | 315186   | 46.08 | ng    | # 59     |
| 22) Acetophenone              | 7.145  | 105  | 408848   | 40.04 | ng    | # 88     |
| 24) Nitrobenzene              | 7.322  | 77   | 324441   | 39.23 | ng    | 99       |
| 25) Isophorone                | 7.557  | 82   | 580383   | 39.67 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.633  | 139  | 156019   | 40.96 | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 7.681  | 122  | 258124   | 39.76 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.769  | 93   | 367230   | 40.12 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.886  | 162  | 246962   | 40.62 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.957  | 180  | 254525   | 39.37 | ng    | 99       |
| 31) Naphthalene               | 8.033  | 128  | 833077   | 39.19 | ng    | 99       |
| 32) Benzoic acid              | 7.845  | 122  | 136157   | 38.50 | ng    | 96       |
| 33) 4-Chloroaniline           | 8.098  | 127  | 75523    | 8.34  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.145  | 225  | 155285   | 40.51 | ng    | 100      |
| 35) Caprolactam               | 8.475  | 113  | 79143m   | 40.99 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.592  | 107  | 267789   | 41.01 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.722  | 142  | 543306   | 39.46 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.822  | 142  | 497976   | 39.06 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.892  | 216  | 259307   | 39.22 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.875  | 237  | 78494    | 50.09 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.010  | 196  | 166267   | 40.75 | ng    | 98       |

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| 44) 2,4,5-Trichlorophenol     | 9.063  | 196  | 172763   | 39.21 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.186  | 154  | 652806   | 39.19 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.216  | 162  | 495397   | 38.24 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.322  | 65   | 174514   | 40.84 | ng    | 99       |
| 49) Acenaphthylene            | 9.627  | 152  | 772198   | 38.81 | ng    | 100      |
| 50) Dimethylphthalate         | 9.492  | 163  | 728030   | 48.60 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.563  | 165  | 132114   | 40.20 | ng    | 98       |
| 52) Acenaphthene              | 9.798  | 154  | 462932   | 39.12 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.733  | 138  | 59787    | 16.00 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.857  | 184  | 94418    | 58.88 | ng    | # 88     |
| 55) Dibenzofuran              | 9.969  | 168  | 665693   | 38.46 | ng    | 96       |
| 56) 4-Nitrophenol             | 9.922  | 139  | 114919   | 56.53 | ng    | # 80     |
| 57) 2,4-Dinitrotoluene        | 9.975  | 165  | 166841   | 41.24 | ng    | 93       |
| 58) Fluorene                  | 10.316 | 166  | 555871   | 39.86 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.098 | 232  | 146097   | 42.86 | ng    | 96       |
| 60) Diethylphthalate          | 10.186 | 149  | 610878   | 42.29 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.304 | 204  | 272174   | 40.70 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.351 | 138  | 115426   | 30.91 | ng    | 93       |
| 63) Azobenzene                | 10.463 | 77   | 623601   | 40.82 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.386 | 198  | 81149    | 34.28 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.427 | 169  | 517084   | 40.77 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248  | 176358   | 41.46 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.863 | 284  | 194676   | 40.43 | ng    | 98       |
| 69) Atrazine                  | 10.957 | 200  | 141299   | 45.56 | ng    | 98       |
| 70) Pentachlorophenol         | 11.069 | 266  | 133542   | 71.48 | ng    | 99       |
| 71) Phenanthrene              | 11.274 | 178  | 821239   | 40.68 | ng    | 100      |
| 72) Anthracene                | 11.327 | 178  | 831835   | 39.72 | ng    | 99       |
| 73) Carbazole                 | 11.486 | 167  | 704388   | 37.83 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.810 | 149  | 945131   | 44.12 | ng    | 99       |
| 75) Fluoranthene              | 12.463 | 202  | 828622   | 38.28 | ng    | 98       |
| 77) Benzidine                 | 12.586 | 184  | 249322   | 36.44 | ng    | 99       |
| 78) Pyrene                    | 12.692 | 202  | 821084   | 48.55 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.304 | 149  | 342041   | 51.00 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.880 | 228  | 619233   | 42.58 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.839 | 252  | 129346   | 23.98 | ng    | 99       |
| 83) Chrysene                  | 13.915 | 228  | 602556   | 42.20 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.857 | 149  | 487452   | 53.53 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.468 | 149  | 736254   | 49.99 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.739 | 276  | 749281   | 49.65 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.915 | 252  | 639729   | 40.72 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.945 | 252  | 579105   | 38.80 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.268 | 252  | 566374   | 41.74 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.739 | 278  | 614208   | 49.43 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.162 | 276  | 639697   | 51.44 | ng    | 99       |

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

