

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112720\  
 Data File : BF122499.D  
 Acq On : 27 Nov 2020 14:08  
 Operator : JU/CG  
 Sample : L4839-01MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

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

Quant Time: Nov 27 14:30:35 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  | 202025   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 784147   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.898  | 164  | 420907   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 783573   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 653819   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 624179   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 978093   | 74.34 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.492  | 99   | 1237625  | 71.91 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 780494   | 60.93 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 397863   | 88.07 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 1450915  | 53.86 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1615095  | 52.33 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 218873   | 36.27 | ng    | 89       |
| 3) Pyridine                   | 3.422  | 79   | 599446   | 36.12 | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 271157   | 34.66 | ng    | 88       |
| 6) Aniline                    | 6.516  | 93   | 618617   | 27.39 | ng    | 97       |
| 8) 2-Chlorophenol             | 6.645  | 128  | 612335   | 44.88 | ng    | 89       |
| 9) Benzaldehyde               | 6.404  | 77   | 81979    | 6.02  | ng    | 93       |
| 10) Phenol                    | 6.510  | 94   | 791150   | 46.68 | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.592  | 93   | 573600   | 42.58 | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 6.798  | 146  | 657167   | 42.42 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 665959   | 42.80 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 641976   | 44.21 | ng    | 100      |
| 15) Benzyl Alcohol            | 6.998  | 79   | 513858   | 41.99 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134  | 45   | 757602   | 38.58 | ng    | 93       |
| 17) 2-Methylphenol            | 7.116  | 107  | 497176   | 43.66 | ng    | 98       |
| 18) Hexachloroethane          | 7.369  | 117  | 237651   | 43.86 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 402197   | 39.10 | ng    | 92       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 575425   | 41.06 | ng    | 97       |
| 22) Acetophenone              | 7.269  | 105  | 770127   | 37.71 | ng    | 93       |
| 24) Nitrobenzene              | 7.439  | 77   | 629208   | 42.93 | ng    | 97       |
| 25) Isophorone                | 7.681  | 82   | 1122971  | 39.33 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 318920   | 49.83 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 528411   | 39.23 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 711779   | 40.75 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 525621   | 44.08 | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 8.086  | 180  | 555482   | 42.21 | ng    | 97       |
| 31) Naphthalene               | 8.163  | 128  | 1706008  | 40.92 | ng    | 99       |
| 32) Benzoic acid              | 7.916  | 122  | 238482   | 34.64 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 436682   | 24.05 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.281  | 225  | 330767   | 43.73 | ng    | 99       |
| 35) Caprolactam               | 8.586  | 113  | 160631m  | 42.50 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 540780   | 43.48 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.857  | 142  | 1156117  | 41.98 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.957  | 142  | 1069825  | 41.50 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.022  | 216  | 537698   | 41.46 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.010  | 237  | 608728   | 80.27 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.133  | 196  | 378076   | 44.88 | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 9.180  | 196  | 409072   | 46.33 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 1373018  | 40.98 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 1100532  | 41.39 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.439  | 65   | 334972   | 42.90 | ng    | 93       |
| 49) Acenaphthylene            | 9.763  | 152  | 1696709  | 41.51 | ng    | 99       |
| 50) Dimethylphthalate         | 9.622  | 163  | 1418311  | 47.41 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 302637   | 45.66 | ng    | # 77     |
| 52) Acenaphthene              | 9.933  | 154  | 1153175m | 45.59 | ng    |          |
| 53) 3-Nitroaniline            | 9.851  | 138  | 232701   | 31.97 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 260833   | 87.69 | ng    | 94       |
| 55) Dibenzofuran              | 10.110 | 168  | 1546154  | 41.72 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 502691   | 77.23 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 406345   | 48.39 | ng    | 91       |
| 58) Fluorene                  | 10.451 | 166  | 1178250  | 41.52 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232  | 350864   | 47.78 | ng    | 97       |
| 60) Diethylphthalate          | 10.322 | 149  | 1270789  | 43.30 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204  | 577295   | 43.09 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 303116   | 41.36 | ng    | 97       |
| 63) Azobenzene                | 10.604 | 77   | 1203278  | 39.08 | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 199520   | 55.37 | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 1087904  | 40.75 | ng    | 94       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 398363   | 43.26 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 433687   | 43.59 | ng    | 97       |
| 69) Atrazine                  | 11.086 | 200  | 299614   | 45.06 | ng    | 99       |
| 70) Pentachlorophenol         | 11.192 | 266  | 485429   | 84.69 | ng    | 97       |
| 71) Phenanthrene              | 11.416 | 178  | 1796526  | 40.41 | ng    | 99       |
| 72) Anthracene                | 11.463 | 178  | 1845985  | 40.29 | ng    | 99       |
| 73) Carbazole                 | 11.616 | 167  | 1677861  | 40.25 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 1941745  | 43.70 | ng    | 100      |
| 75) Fluoranthene              | 12.604 | 202  | 1932285  | 41.63 | ng    | 97       |
| 77) Benzidine                 | 12.721 | 184  | 593379   | 32.72 | ng    | 100      |
| 78) Pyrene                    | 12.833 | 202  | 1931270  | 42.05 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 841559   | 45.85 | ng    | 89       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 1706472  | 41.97 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 547938   | 36.16 | ng    | 99       |
| 83) Chrysene                  | 14.057 | 228  | 1715511  | 41.89 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 1096730  | 49.52 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 1927864  | 51.36 | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 1702111  | 45.45 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 1794484  | 44.39 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 1625907  | 41.25 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 1508850  | 42.81 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.992 | 278  | 1397783  | 44.56 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.421 | 276  | 1425024  | 46.71 | ng    | 97       |

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

