

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030121\  
 Data File : BF123319.D  
 Acq On : 1 Mar 2021 9:50  
 Operator : JU/CG  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 3/2/2021 9:42:48 AM

Quant Time: Mar 01 10:30:58 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  | 153494   | 20.00 | ng    | # 0.00   |
| 21) Naphthalene-d8            | 8.139  | 136  | 606669   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 312369   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 581475   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 450157   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.510 | 264  | 395311   | 20.00 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 823355   | 77.21 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 1138437  | 78.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 1063614  | 80.26 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 255257   | 80.25 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 1675967  | 77.07 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1946694  | 83.15 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.593  | 88   | 200472   | 32.58 | ng    | 91       |
| 3) Pyridine                   | 3.346  | 79   | 515724   | 34.39 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.304  | 42   | 246028   | 35.48 | ng    | 83       |
| 6) Aniline                    | 6.516  | 93   | 661787   | 38.67 | ng    | 91       |
| 8) 2-Chlorophenol             | 6.640  | 128  | 452566   | 39.50 | ng    | 90       |
| 9) Benzaldehyde               | 6.404  | 77   | 313089   | 42.77 | ng    | 92       |
| 10) Phenol                    | 6.504  | 94   | 613658   | 38.87 | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.593  | 93   | 452314   | 39.94 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.793  | 146  | 469072   | 39.36 | ng    | # 93     |
| 13) 1,4-Dichlorobenzene       | 6.869  | 146  | 477493m  | 39.32 | ng    |          |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 452946   | 40.09 | ng    | 95       |
| 15) Benzyl Alcohol            | 6.998  | 79   | 458822   | 40.62 | ng    | 92       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.128  | 45   | 615124   | 39.60 | ng    | 97       |
| 17) 2-Methylphenol            | 7.110  | 107  | 381558   | 39.60 | ng    | 92       |
| 18) Hexachloroethane          | 7.369  | 117  | 185310   | 42.24 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 364601   | 42.30 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.263  | 107  | 483545   | 38.21 | ng    | 91       |
| 22) Acetophenone              | 7.269  | 105  | 611513   | 38.86 | ng    | # 92     |
| 24) Nitrobenzene              | 7.440  | 77   | 561034   | 40.15 | ng    | 89       |
| 25) Isophorone                | 7.681  | 82   | 999104   | 40.31 | ng    | 96       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 240641   | 41.11 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.792  | 122  | 354925   | 39.17 | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 7.887  | 93   | 519341   | 40.04 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.998  | 162  | 369399   | 39.49 | ng    | 92       |
| 30) 1,2,4-Trichlorobenzene    | 8.081  | 180  | 400892   | 39.41 | ng    | 98       |
| 31) Naphthalene               | 8.163  | 128  | 1290573  | 38.82 | ng    | 99       |
| 32) Benzoic acid              | 7.934  | 122  | 259179   | 38.78 | ng    | # 84     |
| 33) 4-Chloroaniline           | 8.210  | 127  | 529553   | 39.14 | ng    | # 93     |
| 34) Hexachlorobutadiene       | 8.275  | 225  | 233080   | 40.62 | ng    | 99       |
| 35) Caprolactam               | 8.592  | 113  | 126254   | 40.22 | ng    | # 75     |
| 36) 4-Chloro-3-methylphenol   | 8.692  | 107  | 451316   | 40.58 | ng    | 86       |
| 37) 2-Methylnaphthalene       | 8.851  | 142  | 859845   | 38.82 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.951  | 142  | 817132   | 39.45 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.022  | 216  | 370685   | 39.71 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.004  | 237  | 166020   | 37.96 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.134  | 196  | 262512   | 39.66 | ng    | 93       |

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|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 9.175  | 196  | 282535   | 39.88 | ng    | #        | 90  |
| 46) 1,1'-Biphenyl             | 9.316  | 154  | 1011526  | 39.04 | ng    |          | 99  |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 801470   | 39.20 | ng    |          | 100 |
| 48) 2-Nitroaniline            | 9.439  | 65   | 306841   | 41.89 | ng    | #        | 75  |
| 49) Acenaphthylene            | 9.763  | 152  | 1215442  | 39.19 | ng    |          | 100 |
| 50) Dimethylphthalate         | 9.622  | 163  | 943810   | 40.40 | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 9.681  | 165  | 222077   | 41.25 | ng    | #        | 65  |
| 52) Acenaphthene              | 9.933  | 154  | 845191m  | 39.52 | ng    |          |     |
| 53) 3-Nitroaniline            | 9.857  | 138  | 234222   | 39.20 | ng    |          | 88  |
| 54) 2,4-Dinitrophenol         | 9.963  | 184  | 116713   | 41.27 | ng    |          | 92  |
| 55) Dibenzofuran              | 10.104 | 168  | 1134459  | 39.19 | ng    |          | 96  |
| 56) 4-Nitrophenol             | 10.016 | 139  | 181360   | 38.09 | ng    | #        | 63  |
| 57) 2,4-Dinitrotoluene        | 10.086 | 165  | 298923   | 41.29 | ng    | #        | 79  |
| 58) Fluorene                  | 10.451 | 166  | 895472   | 39.30 | ng    |          | 99  |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232  | 227921   | 40.33 | ng    | #        | 82  |
| 60) Diethylphthalate          | 10.322 | 149  | 943323   | 40.78 | ng    |          | 99  |
| 61) 4-Chlorophenyl-phenyle... | 10.439 | 204  | 430435   | 39.69 | ng    |          | 97  |
| 62) 4-Nitroaniline            | 10.475 | 138  | 239628   | 39.84 | ng    |          | 89  |
| 63) Azobenzene                | 10.598 | 77   | 1066354  | 40.01 | ng    |          | 93  |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 166559   | 42.55 | ng    | #        | 73  |
| 66) n-Nitrosodiphenylamine    | 10.557 | 169  | 789861   | 39.28 | ng    |          | 99  |
| 67) 4-Bromophenyl-phenylether | 10.928 | 248  | 254108   | 40.08 | ng    | #        | 86  |
| 68) Hexachlorobenzene         | 10.998 | 284  | 267745   | 40.10 | ng    | #        | 90  |
| 69) Atrazine                  | 11.092 | 200  | 257976   | 40.60 | ng    |          | 98  |
| 70) Pentachlorophenol         | 11.192 | 266  | 169235   | 40.14 | ng    |          | 99  |
| 71) Phenanthrene              | 11.416 | 178  | 1324791  | 38.53 | ng    |          | 100 |
| 72) Anthracene                | 11.469 | 178  | 1343166  | 39.15 | ng    |          | 99  |
| 73) Carbazole                 | 11.622 | 167  | 1235824  | 38.25 | ng    |          | 99  |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 1483807  | 41.07 | ng    |          | 100 |
| 75) Fluoranthene              | 12.610 | 202  | 1403194  | 38.50 | ng    |          | 97  |
| 77) Benzidine                 | 12.727 | 184  | 443594   | 30.51 | ng    |          | 100 |
| 78) Pyrene                    | 12.839 | 202  | 1428894  | 40.66 | ng    |          | 99  |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 646635   | 43.53 | ng    |          | 94  |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 1230390  | 40.22 | ng    |          | 98  |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 403829   | 39.71 | ng    | #        | 98  |
| 83) Chrysene                  | 14.068 | 228  | 1192925  | 39.70 | ng    |          | 99  |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 903163   | 44.16 | ng    |          | 100 |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 1480309  | 42.36 | ng    |          | 96  |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 1013164  | 37.09 | ng    |          | 97  |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 1128445  | 40.64 | ng    |          | 99  |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 1091572  | 43.36 | ng    |          | 100 |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 998604   | 40.34 | ng    |          | 99  |
| 91) Dibenzo(a,h)anthracene    | 17.015 | 278  | 869070   | 37.08 | ng    |          | 98  |
| 92) Benzo(g,h,i)perylene      | 17.451 | 276  | 818106   | 37.90 | ng    |          | 99  |

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

