

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010521\  
 Data File : BG047868.D  
 Acq On : 5 Jan 2021 15:14  
 Operator : CG/JU  
 Sample : PB133909BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB133909BS

Manual Integrations  
 APPROVED

mohammad  
 1/6/2021 12:01:41 PM

Quant Time: Jan 05 16:51:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 17 15:55:16 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.194  | 152  | 29168    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.026 | 136  | 117150   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.822 | 164  | 95497    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.560 | 188  | 239118   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.837 | 240  | 218250   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.180 | 264  | 219661   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.726  | 112  | 266597   | 158.11 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.342  | 99   | 370315   | 150.24 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.369  | 82   | 277926   | 87.26  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.302 | 330  | 233505   | 143.23 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.447 | 172  | 625898   | 84.81  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.145 | 244  | 1165876  | 88.02  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.552  | 88   | 20180    | 27.86  | ng    | # 79     |
| 3) Pyridine                   | 3.964  | 79   | 65900    | 35.25  | ng    | # 76     |
| 4) n-Nitrosodimethylamine     | 3.876  | 42   | 59200    | 40.02  | ng    | # 49     |
| 6) Aniline                    | 7.513  | 93   | 105396   | 38.55  | ng    | # 85     |
| 8) 2-Chlorophenol             | 7.759  | 128  | 92700    | 53.94  | ng    | 97       |
| 9) Benzaldehyde               | 7.325  | 77   | 20638    | 12.78  | ng    | # 86     |
| 10) Phenol                    | 7.372  | 94   | 118771   | 53.15  | ng    | # 55     |
| 11) bis(2-Chloroethyl)ether   | 7.601  | 93   | 77433    | 48.63  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.088  | 146  | 99213    | 42.82  | ng    | # 84     |
| 13) 1,4-Dichlorobenzene       | 8.235  | 146  | 100678   | 43.49  | ng    | 91       |
| 14) 1,2-Dichlorobenzene       | 8.558  | 146  | 98598    | 45.29  | ng    | 96       |
| 15) Benzyl Alcohol            | 8.429  | 79   | 114264   | 52.33  | ng    | # 80     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.729  | 45   | 74970    | 47.39  | ng    | 81       |
| 17) 2-Methylphenol            | 8.635  | 107  | 83159    | 52.74  | ng    | # 77     |
| 18) Hexachloroethane          | 9.293  | 117  | 40017    | 44.09  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 9.005  | 70   | 84476    | 49.25  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.964  | 107  | 114217   | 52.87  | ng    | # 83     |
| 22) Acetophenone              | 9.023  | 105  | 146663   | 43.74  | ng    | # 88     |
| 24) Nitrobenzene              | 9.410  | 77   | 132141   | 43.96  | ng    | # 80     |
| 25) Isophorone                | 9.933  | 82   | 228692   | 47.62  | ng    | # 94     |
| 26) 2-Nitrophenol             | 10.127 | 139  | 54610    | 45.92  | ng    | # 33     |
| 27) 2,4-Dimethylphenol        | 10.180 | 122  | 92781    | 54.20  | ng    | 85       |
| 28) bis(2-Chloroethoxy)met... | 10.415 | 93   | 108632   | 43.76  | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.668 | 162  | 105643   | 47.39  | ng    | 89       |
| 30) 1,2,4-Trichlorobenzene    | 10.885 | 180  | 119386   | 41.74  | ng    | 97       |
| 31) Naphthalene               | 11.073 | 128  | 286961   | 44.57  | ng    | 99       |
| 32) Benzoic acid              | 10.292 | 122  | 18577    | 20.67  | ng    | # 81     |
| 33) 4-Chloroaniline           | 11.173 | 127  | 64367    | 23.53  | ng    | # 86     |
| 34) Hexachlorobutadiene       | 11.355 | 225  | 99408    | 39.41  | ng    | 95       |
| 35) Caprolactam               | 11.954 | 113  | 35987m   | 50.83  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.283 | 107  | 122480   | 50.27  | ng    | 93       |
| 37) 2-Methylnaphthalene       | 12.665 | 142  | 224879   | 45.02  | ng    | # 88     |
| 38) 1-Methylnaphthalene       | 12.883 | 142  | 210225m  | 44.53  | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 13.030 | 216  | 162620   | 41.49  | ng    | # 95     |
| 41) Hexachlorocyclopentadiene | 13.006 | 237  | 226471   | 106.71 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.259 | 196  | 110663   | 44.19  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 13.335 | 196  | 116590   | 47.05 | ng    | #        | 93  |
| 46) 1,1'-Biphenyl             | 13.658 | 154  | 315065   | 43.23 | ng    |          | 92  |
| 47) 2-Chloronaphthalene       | 13.711 | 162  | 243454   | 41.09 | ng    |          | 95  |
| 48) 2-Nitroaniline            | 13.899 | 65   | 95282    | 43.51 | ng    | #        | 76  |
| 49) Acenaphthylene            | 14.551 | 152  | 390753   | 44.43 | ng    |          | 96  |
| 50) Dimethylphthalate         | 14.263 | 163  | 361908   | 43.97 | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 14.387 | 165  | 78515    | 46.92 | ng    | #        | 51  |
| 52) Acenaphthene              | 14.886 | 154  | 325308m  | 52.45 | ng    |          |     |
| 53) 3-Nitroaniline            | 14.716 | 138  | 46018    | 27.75 | ng    | #        | 67  |
| 54) 2,4-Dinitrophenol         | 14.927 | 184  | 98042    | 91.45 | ng    | #        | 45  |
| 55) Dibenzofuran              | 15.221 | 168  | 391228   | 43.50 | ng    |          | 93  |
| 56) 4-Nitrophenol             | 15.021 | 139  | 113865   | 95.25 | ng    | #        | 20  |
| 57) 2,4-Dinitrotoluene        | 15.174 | 165  | 112024   | 45.03 | ng    | #        | 67  |
| 58) Fluorene                  | 15.862 | 166  | 338198   | 44.28 | ng    |          | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.439 | 232  | 115867   | 45.78 | ng    | #        | 92  |
| 60) Diethylphthalate          | 15.621 | 149  | 363348   | 45.78 | ng    |          | 96  |
| 61) 4-Chlorophenyl-phenyle... | 15.850 | 204  | 211742   | 43.99 | ng    |          | 96  |
| 62) 4-Nitroaniline            | 15.879 | 138  | 78412    | 42.99 | ng    | #        | 11  |
| 63) Azobenzene                | 16.144 | 77   | 336398   | 45.46 | ng    |          | 86  |
| 65) 4,6-Dinitro-2-methylph... | 15.938 | 198  | 75782    | 49.60 | ng    |          | 84  |
| 66) n-Nitrosodiphenylamine    | 16.061 | 169  | 316953   | 46.32 | ng    |          | 94  |
| 67) 4-Bromophenyl-phenylether | 16.743 | 248  | 140685   | 43.78 | ng    | #        | 92  |
| 68) Hexachlorobenzene         | 16.866 | 284  | 156693   | 44.96 | ng    |          | 95  |
| 69) Atrazine                  | 16.996 | 200  | 118255   | 41.15 | ng    |          | 98  |
| 70) Pentachlorophenol         | 17.207 | 266  | 179074   | 71.18 | ng    |          | 97  |
| 71) Phenanthrene              | 17.601 | 178  | 590229   | 45.79 | ng    |          | 97  |
| 72) Anthracene                | 17.695 | 178  | 599079   | 47.93 | ng    |          | 97  |
| 73) Carbazole                 | 17.953 | 167  | 500554   | 45.74 | ng    |          | 97  |
| 74) Di-n-butylphthalate       | 18.494 | 149  | 593669   | 46.02 | ng    | #        | 95  |
| 75) Fluoranthene              | 19.598 | 202  | 763122   | 44.16 | ng    |          | 93  |
| 77) Benzidine                 | 19.763 | 184  | 222843   | 37.97 | ng    |          | 96  |
| 78) Pyrene                    | 19.957 | 202  | 742484   | 47.49 | ng    |          | 97  |
| 80) Butylbenzylphthalate      | 20.820 | 149  | 255632   | 47.67 | ng    | #        | 86  |
| 81) Benzo(a)anthracene        | 21.813 | 228  | 730293   | 46.58 | ng    |          | 96  |
| 82) 3,3'-Dichlorobenzidine    | 21.719 | 252  | 183928   | 33.34 | ng    | #        | 97  |
| 83) Chrysene                  | 21.884 | 228  | 690468   | 46.63 | ng    |          | 98  |
| 84) Bis(2-ethylhexyl)phtha... | 21.690 | 149  | 354845   | 48.02 | ng    |          | 100 |
| 85) Di-n-octyl phthalate      | 22.942 | 149  | 576918   | 46.04 | ng    | #        | 95  |
| 87) Indeno(1,2,3-cd)pyrene    | 29.029 | 276  | 827461   | 49.61 | ng    | #        | 85  |
| 88) Benzo(b)fluoranthene      | 24.117 | 252  | 750453   | 49.55 | ng    | #        | 95  |
| 89) Benzo(k)fluoranthene      | 24.187 | 252  | 725145   | 49.39 | ng    | #        | 95  |
| 90) Benzo(a)pyrene            | 25.027 | 252  | 671350   | 47.64 | ng    | #        | 94  |
| 91) Dibenzo(a,h)anthracene    | 29.093 | 278  | 686706   | 50.82 | ng    | #        | 90  |
| 92) Benzo(g,h,i)perylene      | 30.251 | 276  | 689175   | 52.15 | ng    | #        | 89  |

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

