

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020321\  
 Data File : BG048109.D  
 Acq On : 4 Feb 2021 3:00  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

mohammad  
 2/4/2021 11:13:06 AM

Quant Time: Feb 04 03:37:14 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG012521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 02 15:30:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.115  | 152  | 60457    | 20.00 | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.929 | 136  | 229324   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.737 | 164  | 162969   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.480 | 188  | 379046   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.758 | 240  | 390524   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.030 | 264  | 401076   | 20.00 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.671  | 112  | 268883   | 68.35 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.263  | 99   | 404111   | 67.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.278  | 82   | 405920   | 70.04 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.223 | 330  | 185116   | 68.20 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.368 | 172  | 887253   | 70.39 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.083 | 244  | 1511684  | 67.12 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.561  | 88   | 60551    | 34.53 | ng    | 95       |
| 3) Pyridine                   | 3.961  | 79   | 180815   | 34.35 | ng    | 88       |
| 4) n-Nitrosodimethylamine     | 3.867  | 42   | 86597    | 35.60 | ng    | # 73     |
| 6) Aniline                    | 7.433  | 93   | 238252   | 32.97 | ng    | 91       |
| 8) 2-Chlorophenol             | 7.674  | 128  | 138724   | 33.69 | ng    | 92       |
| 9) Benzaldehyde               | 7.245  | 77   | 120432   | 39.25 | ng    | 90       |
| 10) Phenol                    | 7.292  | 94   | 191412   | 33.39 | ng    | 78       |
| 11) bis(2-Chloroethyl)ether   | 7.527  | 93   | 149471   | 33.29 | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 8.003  | 146  | 171545   | 34.51 | ng    | # 91     |
| 13) 1,4-Dichlorobenzene       | 8.150  | 146  | 171613m  | 34.44 | ng    |          |
| 14) 1,2-Dichlorobenzene       | 8.473  | 146  | 164522   | 34.59 | ng    | 94       |
| 15) Benzyl Alcohol            | 8.344  | 79   | 165556   | 32.72 | ng    | # 89     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.644  | 45   | 204561   | 32.46 | ng    | 93       |
| 17) 2-Methylphenol            | 8.550  | 107  | 126898   | 32.75 | ng    | # 88     |
| 18) Hexachloroethane          | 9.208  | 117  | 69673    | 35.84 | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.920  | 70   | 136725   | 31.32 | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.879  | 107  | 172460   | 32.17 | ng    | 87       |
| 22) Acetophenone              | 8.937  | 105  | 242512   | 34.31 | ng    | # 94     |
| 24) Nitrobenzene              | 9.319  | 77   | 200090   | 34.47 | ng    | # 86     |
| 25) Isophorone                | 9.842  | 82   | 338775   | 32.57 | ng    | # 92     |
| 26) 2-Nitrophenol             | 10.030 | 139  | 86233    | 36.11 | ng    | # 69     |
| 27) 2,4-Dimethylphenol        | 10.083 | 122  | 114833   | 33.09 | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 10.324 | 93   | 207411   | 33.14 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.565 | 162  | 158778   | 35.56 | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 10.788 | 180  | 193234   | 35.80 | ng    | 98       |
| 31) Naphthalene               | 10.982 | 128  | 456549   | 34.43 | ng    | 100      |
| 32) Benzoic acid              | 10.218 | 122  | 108319   | 34.85 | ng    | # 72     |
| 33) 4-Chloroaniline           | 11.076 | 127  | 194826   | 32.15 | ng    | # 91     |
| 34) Hexachlorobutadiene       | 11.264 | 225  | 145650   | 37.99 | ng    | 98       |
| 35) Caprolactam               | 11.852 | 113  | 50145    | 29.50 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 12.187 | 107  | 161849   | 32.31 | ng    | 90       |
| 37) 2-Methylnaphthalene       | 12.574 | 142  | 337428   | 33.69 | ng    | # 94     |
| 38) 1-Methylnaphthalene       | 12.792 | 142  | 318316   | 33.32 | ng    | # 99     |
| 40) 1,2,4,5-Tetrachloroben... | 12.939 | 216  | 234959   | 37.82 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.921 | 237  | 135839   | 38.60 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.174 | 196  | 155969   | 36.00 | ng    | 96       |

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| 44) 2,4,5-Trichlorophenol     | 13.244 | 196  | 158858   | 35.38 | ng    | # 95     |
| 46) 1,1'-Biphenyl             | 13.573 | 154  | 440555   | 34.97 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.620 | 162  | 379425   | 34.61 | ng    | 97       |
| 48) 2-Nitroaniline            | 13.814 | 65   | 133296   | 33.50 | ng    | # 82     |
| 49) Acenaphthylene            | 14.460 | 152  | 548371   | 33.89 | ng    | 99       |
| 50) Dimethylphthalate         | 14.190 | 163  | 478722   | 32.46 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.308 | 165  | 100491   | 32.77 | ng    | # 70     |
| 52) Acenaphthene              | 14.801 | 154  | 372200   | 33.98 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.637 | 138  | 106889   | 31.78 | ng    | # 82     |
| 54) 2,4-Dinitrophenol         | 14.836 | 184  | 69799    | 36.40 | ng    | # 64     |
| 55) Dibenzofuran              | 15.136 | 168  | 556189   | 33.47 | ng    | 96       |
| 56) 4-Nitrophenol             | 14.930 | 139  | 81136    | 30.91 | ng    | # 55     |
| 57) 2,4-Dinitrotoluene        | 15.089 | 165  | 143097   | 32.31 | ng    | # 78     |
| 58) Fluorene                  | 15.782 | 166  | 438087   | 32.79 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.353 | 232  | 157049   | 34.98 | ng    | # 95     |
| 60) Diethylphthalate          | 15.547 | 149  | 481026   | 31.72 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.771 | 204  | 278019   | 33.98 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.800 | 138  | 110889   | 30.26 | ng    | # 63     |
| 63) Azobenzene                | 16.064 | 77   | 447791   | 31.37 | ng    | 89       |
| 65) 4,6-Dinitro-2-methylph... | 15.853 | 198  | 89199    | 36.46 | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 15.988 | 169  | 401334   | 35.23 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.670 | 248  | 182797   | 36.09 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.787 | 284  | 197742   | 35.90 | ng    | 96       |
| 69) Atrazine                  | 16.928 | 200  | 149616   | 34.58 | ng    | 98       |
| 70) Pentachlorophenol         | 17.128 | 266  | 125997   | 37.67 | ng    | 97       |
| 71) Phenanthrene              | 17.522 | 178  | 743169   | 33.98 | ng    | 97       |
| 72) Anthracene                | 17.616 | 178  | 730614   | 33.97 | ng    | 97       |
| 73) Carbazole                 | 17.880 | 167  | 654797   | 32.62 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.432 | 149  | 801640   | 32.71 | ng    | # 97     |
| 75) Fluoranthene              | 19.525 | 202  | 969272   | 33.80 | ng    | 96       |
| 77) Benzidine                 | 19.701 | 184  | 396857   | 35.23 | ng    | 98       |
| 78) Pyrene                    | 19.889 | 202  | 965360   | 33.76 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.765 | 149  | 370376   | 33.91 | ng    | 89       |
| 81) Benzo(a)anthracene        | 21.734 | 228  | 974706   | 34.34 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.646 | 252  | 345487   | 36.12 | ng    | 98       |
| 83) Chrysene                  | 21.805 | 228  | 929327   | 34.46 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.634 | 149  | 507495   | 33.92 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.868 | 149  | 855677   | 34.19 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.779 | 276  | 1117414  | 34.64 | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 23.990 | 252  | 997506   | 34.99 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 24.061 | 252  | 937922   | 33.86 | ng    | # 97     |
| 90) Benzo(a)pyrene            | 24.872 | 252  | 923973   | 34.52 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 28.838 | 278  | 913294   | 34.30 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 29.942 | 276  | 894042   | 34.86 | ng    | # 93     |

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

