

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100520\  
 Data File : BG046785.D  
 Acq On : 5 Oct 2020 11:27  
 Operator : CG/JU  
 Sample : PB131933BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SLCS933

Manual Integrations  
 APPROVED

mohammad  
 10/6/2020 3:22:24 PM

Quant Time: Oct 05 12:07:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM01-EPA-BG092820.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 05 11:23:35 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.110  | 152  | 55303    | 20.00 | ng/ul  | 0.00     |
| 18) Naphthalene-d8            | 10.924 | 136  | 221548   | 20.00 | ng/ul  | 0.00     |
| 36) Acenaphthene-d10          | 14.731 | 164  | 163005   | 20.00 | ng/ul  | 0.00     |
| 62) Phenanthrene-d10          | 17.475 | 188  | 404809   | 20.00 | ng/ul  | 0.00     |
| 78) Chrysene-d12              | 21.753 | 240  | 438682   | 20.00 | ng/ul  | 0.00     |
| 86) Perylene-d12              | 25.025 | 264  | 460010   | 20.00 | ng/ul  | 0.00     |
|                               |        |      |          |       |        |          |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8             | 3.527  | 96   | 8637     | 7.32  | ng/uL  | 0.00     |
| 5) Phenol-d5                  | 7.252  | 99   | 163936   | 35.25 | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)eth...  | 7.428  | 67   | 94746    | 32.28 | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4          | 7.640  | 132  | 123577   | 36.54 | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8         | 8.803  | 113  | 131755   | 36.06 | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5           | 9.267  | 128  | 58774    | 41.51 | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4          | 9.996  | 143  | 70988    | 46.99 | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3     | 10.536 | 165  | 149842   | 40.05 | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4        | 11.047 | 131  | 164527   | 35.48 | ng/ul  | 0.00     |
| 44) Dimethylphthalate-d6      | 14.132 | 166  | 478903   | 38.84 | ng/ul  | 0.00     |
| 47) Acenaphthylene-d8         | 14.426 | 160  | 569968   | 38.62 | ng/ul  | 0.00     |
| 52) 4-Nitrophenol-d4          | 14.908 | 143  | 88402    | 45.00 | ng/ul  | 0.00     |
| 58) Fluorene-d10              | 15.724 | 176  | 438353   | 38.24 | ng/ul  | 0.00     |
| 63) 4,6-Dinitro-2-methylph... | 15.830 | 200  | 85574    | 46.77 | ng/ul  | 0.00     |
| 71) Anthracene-d10            | 17.575 | 188  | 686161   | 36.97 | ng/ul  | 0.00     |
| 79) Pyrene-d10                | 19.855 | 212  | 865185   | 37.89 | ng/ul  | 0.00     |
| 90) Benzo(a)pyrene-d12        | 24.802 | 264  | 926810   | 37.28 | ng/ul  | 0.00     |
|                               |        |      |          |       |        |          |
| Target Compounds              |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane                | 3.562  | 88   | 17827    | 13.21 | ng/uL# | 81       |
| 4) Benzaldehyde               | 7.246  | 77   | 107300   | 32.51 | ng/ul  | 99       |
| 6) Phenol                     | 7.281  | 94   | 164162   | 33.42 | ng/ul  | 98       |
| 8) Bis(2-Chloroethyl)ether    | 7.522  | 93   | 122100   | 31.97 | ng/ul  | 95       |
| 10) 2-Chlorophenol            | 7.675  | 128  | 115618   | 33.39 | ng/ul  | 95       |
| 11) 2-Methylphenol            | 8.539  | 108  | 120341   | 32.86 | ng/ul  | 97       |
| 12) 2,2'-oxybis(1-Chloropr... | 8.638  | 45   | 189360   | 31.29 | ng/ul  | 97       |
| 14) Acetophenone              | 8.932  | 105  | 201636   | 33.69 | ng/ul  | 95       |
| 15) N-Nitroso-di-n-propyla... | 8.915  | 70   | 102483   | 31.00 | ng/ul# | 97       |
| 16) 4-Methylphenol            | 8.868  | 108  | 127650   | 33.27 | ng/ul  | 93       |
| 17) Hexachloroethane          | 9.203  | 117  | 52924    | 33.81 | ng/ul  | 91       |
| 20) Nitrobenzene              | 9.314  | 77   | 165630   | 39.89 | ng/ul  | 95       |
| 21) Isophorone                | 9.837  | 82   | 301995   | 32.58 | ng/ul  | 100      |
| 23) 2-Nitrophenol             | 10.025 | 139  | 73062    | 44.00 | ng/ul  | 96       |
| 24) 2,4-Dimethylphenol        | 10.078 | 107  | 145705   | 32.54 | ng/ul  | 98       |
| 25) Bis(2-Chloroethoxy)met... | 10.319 | 93   | 171109   | 32.05 | ng/ul  | 97       |
| 27) 2,4-Dichlorophenol        | 10.560 | 162  | 133707   | 36.28 | ng/ul  | 96       |
| 28) Naphthalene               | 10.971 | 128  | 405725   | 33.26 | ng/ul  | 96       |
| 30) 4-Chloroaniline           | 11.071 | 127  | 147884   | 33.15 | ng/ul  | 97       |
| 31) Hexachlorobutadiene       | 11.259 | 225  | 111508   | 33.87 | ng/ul  | 98       |
| 32) Caprolactam               | 11.829 | 113  | 51241m   | 39.01 | ng/ul  |          |
| 33) 4-Chloro-3-methylphenol   | 12.181 | 107  | 151340   | 36.85 | ng/ul  | 95       |
| 34) 2-Methylnaphthalene       | 12.569 | 142  | 300447   | 33.45 | ng/ul  | 100      |
| 35) 1-Methylnaphthalene       | 12.787 | 142  | 352847   | 40.51 | ng/ul# | 96       |
| 37) 1,2,4,5-Tetrachloroben... | 12.933 | 216  | 203500   | 33.95 | ng/ul  | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 38) Hexachlorocyclopentadiene | 12.916 | 237  | 93191    | 24.35 | ng/ul# | 83       |
| 39) 2,4,6-Trichlorophenol     | 13.168 | 196  | 133630   | 39.42 | ng/ul  | 94       |
| 40) 2,4,5-Trichlorophenol     | 13.239 | 196  | 141001   | 39.62 | ng/ul  | 94       |
| 41) 1,1'-Biphenyl             | 13.568 | 154  | 422808   | 33.45 | ng/ul  | 98       |
| 42) 2-Chloronaphthalene       | 13.615 | 162  | 333288   | 33.21 | ng/ul  | 98       |
| 43) 2-Nitroaniline            | 13.803 | 65   | 113649   | 49.24 | ng/ul  | 89       |
| 45) Dimethylphthalate         | 14.179 | 163  | 449943   | 35.35 | ng/ul  | 99       |
| 46) 2,6-Dinitrotoluene        | 14.297 | 165  | 98223    | 48.63 | ng/ul  | 98       |
| 48) Acenaphthylene            | 14.455 | 152  | 505249   | 34.24 | ng/ul  | 99       |
| 49) 3-Nitroaniline            | 14.626 | 138  | 92123    | 45.69 | ng/ul# | 91       |
| 50) Acenaphthene              | 14.796 | 153  | 364745   | 34.92 | ng/ul  | 99       |
| 51) 2,4-Dinitrophenol         | 14.831 | 184  | 52329    | 44.28 | ng/ul  | 90       |
| 53) 4-Nitrophenol             | 14.925 | 109  | 86683    | 44.73 | ng/ul  | 87       |
| 54) Dibenzofuran              | 15.131 | 168  | 546468   | 35.66 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene        | 15.084 | 165  | 140316   | 50.98 | ng/ul# | 95       |
| 56) 2,3,4,6-Tetrachlorophenol | 15.348 | 232  | 148996   | 44.52 | ng/ul# | 99       |
| 57) Diethylphthalate          | 15.548 | 149  | 460881   | 36.62 | ng/ul  | 98       |
| 59) Fluorene                  | 15.777 | 166  | 446378   | 35.38 | ng/ul  | 99       |
| 60) 4-Chlorophenyl-phenyle... | 15.771 | 204  | 249361   | 34.99 | ng/ul  | 96       |
| 61) 4-Nitroaniline            | 15.789 | 138  | 99089    | 42.93 | ng/ul  | 92       |
| 64) 4,6-Dinitro-2-methylph... | 15.848 | 198  | 87984    | 43.77 | ng/ul# | 86       |
| 65) N-Nitrosodiphenylamine    | 15.983 | 169  | 402905   | 34.63 | ng/ul  | 97       |
| 66) 4-Bromophenyl-phenylether | 16.664 | 248  | 177552   | 35.02 | ng/ul  | 93       |
| 67) Hexachlorobenzene         | 16.782 | 284  | 193697   | 46.72 | ng/ul  | 96       |
| 68) Atrazine                  | 16.923 | 200  | 177079   | 37.09 | ng/ul  | 91       |
| 69) Pentachlorophenol         | 17.123 | 266  | 122197   | 40.03 | ng/ul  | 92       |
| 70) Phenanthrene              | 17.522 | 178  | 778482   | 35.07 | ng/ul  | 99       |
| 72) Anthracene                | 17.610 | 178  | 767342   | 34.32 | ng/ul  | 98       |
| 73) 1,2,3,4-Tetrachloroben... | 13.539 | 216  | 240441   | 38.24 | ng/uL  | 96       |
| 74) Pentachlorobenzene        | 15.049 | 250  | 217798   | 33.78 | ng/uL  | 94       |
| 75) Carbazole                 | 17.875 | 167  | 658211   | 36.56 | ng/ul  | 100      |
| 76) Di-n-butylphthalate       | 18.433 | 149  | 801697   | 36.49 | ng/ul  | 99       |
| 77) Fluoranthene              | 19.526 | 202  | 994365   | 35.57 | ng/ul  | 99       |
| 80) Pyrene                    | 19.884 | 202  | 987724   | 34.98 | ng/ul  | 99       |
| 81) Butylbenzylphthalate      | 20.765 | 149  | 373319   | 37.63 | ng/ul  | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.641 | 252  | 363349   | 36.11 | ng/ul  | 98       |
| 83) Benzo(a)anthracene        | 21.735 | 228  | 1026390  | 35.47 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.641 | 149  | 545368   | 37.36 | ng/ul  | 96       |
| 85) Chrysene                  | 21.800 | 228  | 993226   | 35.53 | ng/ul  | 98       |
| 87) Di-n-octyl phthalate      | 22.875 | 149  | 928273   | 36.42 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene      | 23.985 | 252  | 1043810  | 34.30 | ng/ul  | 100      |
| 89) Benzo(k)fluoranthene      | 24.056 | 252  | 1002879  | 33.70 | ng/ul  | 99       |
| 91) Benzo(a)pyrene            | 24.878 | 252  | 950873   | 33.99 | ng/ul  | 98       |
| 92) Indeno(1,2,3-cd)pyrene    | 28.768 | 276  | 1169043  | 34.43 | ng/ul  | 100      |
| 93) Dibenzo(a,h)anthracene    | 28.832 | 278  | 967078   | 34.34 | ng/ul  | 99       |
| 94) Benzo(g,h,i)perylene      | 29.931 | 276  | 983318   | 34.73 | ng/ul  | 96       |

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

