Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
Data File : BG043372.D
Acq On : 29 Oct 2019 13:49
Operator : JU
Sample : PB124300BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB124300BS

**Manual Integrations APPROVED**
mohammad
10/30/2019 4:54:27 PM

Quant Time: Oct 30 08:09:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 16:37:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 35581 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.83 | 136 | 142823 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.65 | 164 | 106696 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.39 | 188 | 249915 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.67 | 240 | 287669 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.86 | 264 | 329438 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 258571 | 133.17 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 340824 | 122.00 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.18 | 82 | 175241 | 63.26 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.14 | 330 | 216855 | 106.80 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 470148 | 60.89 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.00 | 244 | 946032 | 61.70 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 30118 | 39.803 | ng | | 92 |
| 3) Pyridine | 3.89 | 79 | 70299 | 36.830 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.80 | 42 | 43533 | 45.198 | ng | # | 96 |
| 6) Aniline | 7.35 | 93 | 108764 | 33.796 | ng | | 95 |
| 8) 2-Chlorophenol | 7.60 | 128 | 99097 | 46.233 | ng | | 95 |
| 9) Benzaldehyde | 7.16 | 77 | 55601 | 40.498 | ng | # | 80 |
| 10) Phenol | 7.24 | 94 | 119686 | 46.883 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 80277 | 40.673 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 111777 | 41.622 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 112815 | 41.520 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 108274 | 40.812 | ng | | 99 |
| 15) Benzyl Alcohol | 8.27 | 79 | 83772 | 42.697 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 111514 | 38.856 | ng | | 97 |
| 17) 2-Methylphenol | 8.49 | 107 | 84422 | 45.363 | ng | | 99 |
| 18) Hexachloroethane | 9.11 | 117 | 40344 | 41.155 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 72423 | 40.119 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 110932 | 43.470 | ng | | 97 |
| 22) Acetophenone | 8.85 | 105 | 142703 | 39.016 | ng | | 98 |
| 24) Nitrobenzene | 9.23 | 77 | 111269 | 42.163 | ng | | 96 |
| 25) Isophorone | 9.74 | 82 | 200233 | 39.533 | ng | | 100 |
| 26) 2-Nitrophenol | 9.94 | 139 | 56582 | 44.410 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.01 | 122 | 90186 | 49.387 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 110355 | 39.477 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 105122 | 44.929 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 119591 | 40.554 | ng | | 99 |
| 31) Naphthalene | 10.88 | 128 | 308769 | 42.591 | ng | | 97 |
| 32) Benzoic acid | 10.17 | 122 | 43132 | 34.151 | ng | | 96 |
| 33) 4-Chloroaniline | 11.00 | 127 | 62138 | 20.910 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 84535 | 38.779 | ng | | 92 |
| 35) Caprolactam | 11.76 | 113 | 31590m | 39.202 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 110034 | 43.114 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 231578 | 41.632 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.70 | 142 | 221169 | 41.788 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 148300 | 37.557 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.83 | 237 | 178617 | 86.111 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.09 | 196 | 95076 | 40.886 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 100284 | 42.657 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.49 | 154 | 311097 | 38.327 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.53 | 162 | 242867 | 39.325 | ng | | 99 |
| 48) 2-Nitroaniline | 13.74 | 65 | 70345 | 38.110 | ng | | 95 |
| 49) Acenaphthylene | 14.37 | 152 | 394799 | 41.074 | ng | | 97 |
| 50) Dimethylphthalate | 14.10 | 163 | 313343 | 37.915 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.22 | 165 | 71720 | 39.946 | ng | | 97 |
| 52) Acenaphthene | 14.72 | 154 | 230531 | 39.329 | ng | | 97 |
| 53) 3-Nitroaniline | 14.56 | 138 | 45058 | 25.993 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.77 | 184 | 72488 | 66.052 | ng | | 94 |
| 55) Dibenzofuran | 15.05 | 168 | 379326 | 39.906 | ng | | 99 |
| 56) 4-Nitrophenol | 14.90 | 139 | 103821 | 89.375 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.01 | 165 | 102740 | 40.041 | ng | | 93 |
| 58) Fluorene | 15.70 | 166 | 319152 | 40.032 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.28 | 232 | 103552 | 41.458 | ng | # | 99 |
| 60) Diethylphthalate | 15.47 | 149 | 317905 | 38.284 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.69 | 204 | 182247 | 39.185 | ng | | 97 |
| 62) 4-Nitroaniline | 15.73 | 138 | 66394 | 37.087 | ng | | 94 |
| 63) Azobenzene | 15.98 | 77 | 265770 | 39.546 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 60168 | 40.910 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.91 | 169 | 282687 | 40.065 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.58 | 248 | 131490 | 39.096 | ng | | 97 |
| 68) Hexachlorobenzene | 16.71 | 284 | 146246 | 37.881 | ng | | 98 |
| 69) Atrazine | 16.85 | 200 | 121294 | 49.473 | ng | | 94 |
| 70) Pentachlorophenol | 17.05 | 266 | 161246 | 91.661 | ng | | 97 |
| 71) Phenanthrene | 17.44 | 178 | 516491 | 40.359 | ng | | 99 |
| 72) Anthracene | 17.53 | 178 | 534541 | 41.748 | ng | | 99 |
| 73) Carbazole | 17.81 | 167 | 480073 | 41.403 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.35 | 149 | 567505 | 40.337 | ng | | 99 |
| 75) Fluoranthene | 19.45 | 202 | 694861 | 41.648 | ng | | 99 |
| 77) Benzidine | 19.63 | 184 | 299628 | 51.754 | ng | | 99 |
| 78) Pyrene | 19.81 | 202 | 701561 | 39.399 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.69 | 149 | 260045 | 38.547 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.64 | 228 | 721863 | 40.060 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.56 | 252 | 220958 | 31.703 | ng | | 98 |
| 83) Chrysene | 21.71 | 228 | 711603 | 39.746 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 385178 | 40.194 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.75 | 149 | 663559 | 40.814 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.50 | 276 | 931633 | 41.455 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.85 | 252 | 769177 | 41.224 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.92 | 252 | 786110 | 41.851 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.72 | 252 | 710700 | 39.888 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.56 | 278 | 782190 | 42.920 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.65 | 276 | 771139 | 42.897 | ng | | 97 |

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

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