Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
Data File : BG043506.D
Acq On : 5 Nov 2019 13:58
Operator : JU
Sample : PB124540BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB124540BS

**Manual Integrations APPROVED**
mohammad
11/6/2019 8:41:04 AM

Quant Time: Nov 06 02:13:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 15:22:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 36289 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 149975 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.64 | 164 | 124171 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.39 | 188 | 296025 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.66 | 240 | 347448 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.85 | 264 | 354515 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 258536 | 130.55 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 344069 | 120.76 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 171371 | 58.91 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.13 | 330 | 230639 | 97.61 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.27 | 172 | 470633 | 52.37 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.00 | 244 | 989800 | 53.44 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 29147 | 37.768 | ng | | 96 |
| 3) Pyridine | 3.87 | 79 | 65394 | 33.592 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.78 | 42 | 42109 | 42.866 | ng | | 97 |
| 6) Aniline | 7.34 | 93 | 109666 | 33.412 | ng | | 99 |
| 8) 2-Chlorophenol | 7.59 | 128 | 102314 | 46.802 | ng | | 96 |
| 9) Benzaldehyde | 7.15 | 77 | 50626 | 36.155 | ng | | 96 |
| 10) Phenol | 7.23 | 94 | 124582 | 47.849 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.43 | 93 | 82176 | 40.823 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.90 | 146 | 111261 | 40.621 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.05 | 146 | 114442 | 41.297 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.37 | 146 | 107991 | 39.912 | ng | | 98 |
| 15) Benzyl Alcohol | 8.25 | 79 | 91849 | 45.900 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 113062 | 38.627 | ng | | 96 |
| 17) 2-Methylphenol | 8.47 | 107 | 86339 | 45.488 | ng | | 97 |
| 18) Hexachloroethane | 9.10 | 117 | 40699 | 40.707 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 75373 | 40.938 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 116385 | 44.717 | ng | | 95 |
| 22) Acetophenone | 8.83 | 105 | 151216 | 39.372 | ng | # | 98 |
| 24) Nitrobenzene | 9.22 | 77 | 112145 | 40.468 | ng | # | 96 |
| 25) Isophorone | 9.74 | 82 | 216575 | 40.721 | ng | | 98 |
| 26) 2-Nitrophenol | 9.93 | 139 | 59785 | 44.686 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 95571 | 49.840 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93 | 115127 | 39.220 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 111551 | 45.403 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 10.68 | 180 | 120700 | 38.978 | ng | | 97 |
| 31) Naphthalene | 10.87 | 128 | 319476 | 41.966 | ng | | 98 |
| 32) Benzoic acid | 10.18 | 122 | 48089 | 35.701 | ng | | 93 |
| 33) 4-Chloroaniline | 10.98 | 127 | 83700 | 26.822 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 85660 | 37.421 | ng | | 96 |
| 35) Caprolactam | 11.75 | 113 | 35777m | 42.281 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 114867 | 42.861 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.47 | 142 | 244520 | 41.862 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.69 | 142 | 230883 | 41.544 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 156523 | 34.061 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.82 | 237 | 140035 | 58.010 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 13.08 | 196 | 100815 | 37.252 | ng | 96 |
| 44) 2,4,5-Trichlorophenol | 13.17 | 196 | 103346 | 37.773 | ng | 96 |
| 46) 1,1'-Biphenyl | 13.47 | 154 | 323057 | 34.199 | ng | 97 |
| 47) 2-Chloronaphthalene | 13.52 | 162 | 253304 | 35.243 | ng | 99 |
| 48) 2-Nitroaniline | 13.72 | 65 | 77047 | 35.867 | ng | 92 |
| 49) Acenaphthylene | 14.37 | 152 | 412105 | 36.841 | ng | 98 |
| 50) Dimethylphthalate | 14.10 | 163 | 333662 | 34.692 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.21 | 165 | 75754 | 36.255 | ng | 94 |
| 52) Acenaphthene | 14.71 | 154 | 242244 | 35.511 | ng | 95 |
| 53) 3-Nitroaniline | 14.55 | 138 | 56553 | 28.033 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.76 | 184 | 88910 | 69.222 | ng | 95 |
| 55) Dibenzofuran | 15.04 | 168 | 401890 | 36.329 | ng | 99 |
| 56) 4-Nitrophenol | 14.89 | 139 | 114489 | 84.688 | ng | 91 |
| 57) 2,4-Dinitrotoluene | 15.01 | 165 | 112790 | 37.772 | ng | 99 |
| 58) Fluorene | 15.69 | 166 | 336883 | 36.309 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.28 | 232 | 110251 | 37.928 | ng | 96 |
| 60) Diethylphthalate | 15.46 | 149 | 341219 | 35.309 | ng | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.68 | 204 | 191223 | 35.329 | ng | 98 |
| 62) 4-Nitroaniline | 15.72 | 138 | 78243 | 37.555 | ng | 99 |
| 63) Azobenzene | 15.98 | 77 | 280049 | 35.806 | ng | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 68259 | 39.182 | ng | 90 |
| 66) n-Nitrosodiphenylamine | 15.89 | 169 | 303733 | 36.342 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.57 | 248 | 137213 | 34.442 | ng | 96 |
| 68) Hexachlorobenzene | 16.70 | 284 | 155765 | 34.062 | ng | 94 |
| 69) Atrazine | 16.84 | 200 | 135311 | 46.594 | ng | 97 |
| 70) Pentachlorophenol | 17.05 | 266 | 165045 | 79.207 | ng | 99 |
| 71) Phenanthrene | 17.43 | 178 | 551449 | 36.378 | ng | 99 |
| 72) Anthracene | 17.52 | 178 | 571804 | 37.702 | ng | 98 |
| 73) Carbazole | 17.80 | 167 | 531779 | 38.719 | ng | 97 |
| 74) Di-n-butylphthalate | 18.34 | 149 | 629275 | 37.761 | ng | 100 |
| 75) Fluoranthene | 19.44 | 202 | 750397 | 37.971 | ng | 100 |
| 77) Benzidine | 19.62 | 184 | 202470 | 28.955 | ng | 100 |
| 78) Pyrene | 19.80 | 202 | 762512 | 35.455 | ng | 100 |
| 80) Butylbenzylphthalate | 20.68 | 149 | 291294 | 35.750 | ng | 94 |
| 81) Benzo(a)anthracene | 21.64 | 228 | 789880 | 36.293 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.56 | 252 | 268488 | 31.895 | ng | 96 |
| 83) Chrysene | 21.70 | 228 | 760162 | 35.153 | ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 420999 | 36.373 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.74 | 149 | 725793 | 36.961 | ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.50 | 276 | 1013128 | 37.325 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.84 | 252 | 817894 | 40.735 | ng | 98 |
| 89) Benzo(k)fluoranthene | 23.91 | 252 | 846741 | 41.890 | ng | 97 |
| 90) Benzo(a)pyrene | 24.71 | 252 | 768879 | 40.101 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.55 | 278 | 858546 | 43.777 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 29.65 | 276 | 851782 | 44.031 | ng | 98 |

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

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