Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
Data File : BG039091.D
Acq On : 11 Jan 2019 18:48
Operator : JU/SJ
Sample : PB116292BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB116292BS

**Manual Integrations APPROVED**
Sohil
1/14/2019 4:31:12 PM

Quant Time: Jan 12 00:34:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 24798 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 109485 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.67 | 164 | 74229 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 193903 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 188848 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.96 | 264 | 205923 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 219772 | 168.12 | ng | | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 312714 | 166.22 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 156660 | 78.30 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 154853 | 124.45 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 424013 | 78.18 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 801623 | 78.52 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.45 | 88 | 20411 | 39.872 | ng | | 97 |
| 3) Pyridine | 3.86 | 79 | 56481 | 40.605 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.78 | 42 | 27069 | 43.246 | ng | | 88 |
| 6) Aniline | 7.35 | 93 | 67856 | 30.033 | ng | | 99 |
| 8) 2-Chlorophenol | 7.59 | 128 | 71810 | 46.601 | ng | | 96 |
| 9) Benzaldehyde | 7.17 | 77 | 22241 | 20.500 | ng | | 97 |
| 10) Phenol | 7.21 | 94 | 96198 | 51.003 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 58839 | 40.816 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 70060 | 37.947 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 76559 | 40.944 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 71181 | 39.926 | ng | | 99 |
| 15) Benzyl Alcohol | 8.27 | 79 | 64293 | 45.381 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 108839 | 39.374 | ng | | 99 |
| 17) 2-Methylphenol | 8.47 | 107 | 63057 | 48.147 | ng | | 99 |
| 18) Hexachloroethane | 9.10 | 117 | 25569 | 40.251 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 50470 | 40.854 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 87676 | 46.954 | ng | | 98 |
| 22) Acetophenone | 8.86 | 105 | 104277 | 36.471 | ng | # | 94 |
| 24) Nitrobenzene | 9.25 | 77 | 76740 | 37.945 | ng | | 99 |
| 25) Isophorone | 9.76 | 82 | 145374 | 42.180 | ng | | 98 |
| 26) 2-Nitrophenol | 9.96 | 139 | 42759 | 39.089 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 76843 | 49.931 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 90727 | 43.800 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 79811 | 41.744 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.70 | 180 | 83463 | 36.332 | ng | | 95 |
| 31) Naphthalene | 10.89 | 128 | 222772 | 40.569 | ng | | 99 |
| 32) Benzoic acid | 10.16 | 122 | 29456m | 34.443 | ng | | |
| 33) 4-Chloroaniline | 11.01 | 127 | 53862 | 21.921 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 51778 | 32.757 | ng | | 98 |
| 35) Caprolactam | 11.80 | 113 | 27160 | 35.426 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 90125 | 44.073 | ng | | 89 |
| 37) 2-Methylnaphthalene | 12.50 | 142 | 164634 | 39.989 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.71 | 142 | 158973 | 40.230 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 101650 | 36.463 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.82 | 237 | 113668 | 72.942 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.10 | 196 | 72270 | 41.190 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 79032 | 42.619 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.50 | 154 | 226464 | 38.503 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.55 | 162 | 180990 | 38.026 | ng | | 99 |
| 48) 2-Nitroaniline | 13.76 | 65 | 53498 | 40.120 | ng | | 96 |
| 49) Acenaphthylene | 14.39 | 152 | 300226 | 41.966 | ng | | 98 |
| 50) Dimethylphthalate | 14.12 | 163 | 239888 | 38.243 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.25 | 165 | 55960 | 39.903 | ng | | 94 |
| 52) Acenaphthene | 14.73 | 154 | 164496 | 38.270 | ng | | 94 |
| 53) 3-Nitroaniline | 14.59 | 138 | 34596 | 24.318 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.80 | 184 | 37514 | 47.116 | ng | | 97 |
| 55) Dibenzofuran | 15.06 | 168 | 301772 | 39.752 | ng | | 97 |
| 56) 4-Nitrophenol | 14.90 | 139 | 83679 | 81.747 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 15.04 | 165 | 79244 | 39.386 | ng | | 97 |
| 58) Fluorene | 15.71 | 166 | 236835 | 41.447 | ng | | 95 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 71909 | 41.080 | ng | | 99 |
| 60) Diethylphthalate | 15.47 | 149 | 247893 | 38.357 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204 | 133187 | 36.997 | ng | | 98 |
| 62) 4-Nitroaniline | 15.76 | 138 | 57466 | 38.775 | ng | | 90 |
| 63) Azobenzene | 15.99 | 77 | 192731 | 38.134 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 39995 | 27.841 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.92 | 169 | 214009 | 37.230 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.60 | 248 | 87842 | 35.242 | ng | | 96 |
| 68) Hexachlorobenzene | 16.71 | 284 | 93562 | 34.400 | ng | | 98 |
| 69) Atrazine | 16.86 | 200 | 88375 | 36.190 | ng | | 99 |
| 70) Pentachlorophenol | 17.07 | 266 | 86199 | 53.376 | ng | | 96 |
| 71) Phenanthrene | 17.46 | 178 | 401967 | 39.220 | ng | | 100 |
| 72) Anthracene | 17.55 | 178 | 398838 | 39.358 | ng | | 99 |
| 73) Carbazole | 17.82 | 167 | 359608 | 35.947 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.35 | 149 | 404939 | 36.386 | ng | | 99 |
| 75) Fluoranthene | 19.47 | 202 | 485091 | 38.179 | ng | | 98 |
| 77) Benzidine | 19.65 | 184 | 190010 | 32.896 | ng | | 99 |
| 78) Pyrene | 19.83 | 202 | 496458 | 41.251 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.70 | 149 | 186695 | 40.786 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 478012 | 41.580 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.59 | 252 | 112827 | 24.088 | ng | | 97 |
| 83) Chrysene | 21.74 | 228 | 445213 | 40.719 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 261384 | 41.126 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.75 | 149 | 459269 | 42.735 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.72 | 276 | 532509 | 40.759 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.92 | 252 | 529861 | 46.665 | ng | # | 99 |
| 89) Benzo(k)fluoranthene | 23.99 | 252 | 517354 | 46.083 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.81 | 252 | 467374 | 42.585 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.78 | 278 | 442119 | 40.500 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 29.90 | 276 | 447535 | 41.411 | ng | # | 98 |

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

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