Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102017\
Data File : BG029380.D
Acq On : 20 Oct 2017 20:06
Operator : SJ/JU
Sample : I5981-06MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
NB-01-101817-BMSD

**Manual Integrations APPROVED**
Sohil
10/23/2017 3:40:48 PM

Quant Time: Oct 21 22:51:25 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 17:32:15 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 57056 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.98 | 136 | 250313 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.79 | 164 | 175375 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.52 | 188 | 455421 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.79 | 240 | 494447 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.10 | 264 | 528987 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.72 | 112 | 476743 | 139.59 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 597347 | 124.60 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 398403 | 101.14 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.27 | 330 | 403532 | 178.22 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.41 | 172 | 1060810 | 88.72 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.11 | 244 | 2001148 | 92.07 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.59 | 88 | 56963 | 41.106 | ng | # | 85 |
| 3) Pyridine | 3.99 | 79 | 134266 | 33.272 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.90 | 42 | 84980 | 45.050 | ng | # | 93 |
| 6) Aniline | 7.49 | 93 | 154579 | 26.039 | ng | | 94 |
| 8) 2-Chlorophenol | 7.73 | 128 | 177429 | 45.322 | ng | | 93 |
| 9) Benzaldehyde | 7.29 | 77 | 47411 | 19.662 | ng | | 95 |
| 10) Phenol | 7.35 | 94 | 215086 | 41.615 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 172277 | 45.750 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 191116 | 43.483 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 192617 | 42.924 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 189552 | 43.794 | ng | | 97 |
| 15) Benzyl Alcohol | 8.40 | 79 | 174336 | 51.603 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 289294 | 45.238 | ng | | 94 |
| 17) 2-Methylphenol | 8.60 | 107 | 162115 | 47.218 | ng | | 95 |
| 18) Hexachloroethane | 9.26 | 117 | 67015 | 43.823 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 146742 | 45.017 | ng | # | 95 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 225747 | 46.664 | ng | | 95 |
| 22) Acetophenone | 8.99 | 105 | 276178 | 45.782 | ng | # | 95 |
| 24) Nitrobenzene | 9.37 | 77 | 207202 | 46.784 | ng | | 92 |
| 25) Isophorone | 9.90 | 82 | 415952 | 50.583 | ng | # | 95 |
| 26) 2-Nitrophenol | 10.09 | 139 | 107788 | 50.921 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 185880 | 48.535 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 249419 | 49.465 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 210382 | 51.514 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 10.84 | 180 | 206818 | 46.875 | ng | | 99 |
| 31) Naphthalene | 11.04 | 128 | 572429 | 45.886 | ng | | 98 |
| 32) Benzoic acid | 10.26 | 122 | 105030 | 32.753 | ng | | 87 |
| 33) 4-Chloroaniline | 11.14 | 127 | 39133 | 7.457 | ng | # | 93 |
| 34) Hexachlorobutadiene | 11.32 | 225 | 127573 | 46.504 | ng | | 97 |
| 35) Caprolactam | 11.91 | 113 | 68407m | 50.400 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 234789 | 52.271 | ng | # | 89 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 450564 | 49.555 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 252543 | 39.442 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 292494 | 118.223 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.22 | 196 | 194714 | 48.442 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.30 | 196 | 215833 | 52.286 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.62 | 154 | 620135 | 41.139 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.67 | 162 | 481142 | 43.759 | ng | | 97 |
| 47) 2-Nitroaniline | 13.86 | 65 | 168761 | 55.880 | ng | # | 86 |
| 48) Acenaphthylene | 14.51 | 152 | 790722 | 45.951 | ng | | 98 |
| 49) Dimethylphthalate | 14.23 | 163 | 704802 | 51.508 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.35 | 165 | 159739 | 55.689 | ng | # | 82 |
| 51) Acenaphthene | 14.85 | 154 | 503756 | 44.994 | ng | | 99 |
| 52) 3-Nitroaniline | 14.68 | 138 | 94624 | 30.571 | ng | # | 79 |
| 53) 2,4-Dinitrophenol | 14.89 | 184 | 107861 | 69.257 | ng | # | 52 |
| 54) Dibenzofuran | 15.18 | 168 | 808248 | 50.568 | ng | | 99 |
| 55) 4-Nitrophenol | 14.99 | 139 | 266398 | 104.396 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 15.14 | 165 | 236244 | 60.841 | ng | # | 77 |
| 57) Fluorene | 15.83 | 166 | 655490 | 49.644 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.40 | 232 | 215676 | 62.625 | ng | | 96 |
| 59) Diethylphthalate | 15.59 | 149 | 735690 | 53.949 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.81 | 204 | 365732 | 51.952 | ng | | 96 |
| 61) 4-Nitroaniline | 15.84 | 138 | 180410 | 56.763 | ng | | 88 |
| 62) Azobenzene | 16.11 | 77 | 630447 | 54.825 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.90 | 198 | 106425 | 41.813 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 16.03 | 169 | 630772 | 46.236 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.71 | 248 | 256437 | 49.071 | ng | | 99 |
| 67) Hexachlorobenzene | 16.83 | 284 | 270398 | 45.679 | ng | | 98 |
| 68) Atrazine | 16.97 | 200 | 265712 | 54.585 | ng | | 99 |
| 69) Pentachlorophenol | 17.17 | 266 | 348810 | 102.577 | ng | | 99 |
| 70) Phenanthrene | 17.56 | 178 | 1144181 | 48.632 | ng | | 97 |
| 71) Anthracene | 17.66 | 178 | 1170364 | 49.541 | ng | | 97 |
| 72) Carbazole | 17.92 | 167 | 1105999 | 48.735 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.47 | 149 | 1298649 | 49.755 | ng | | 99 |
| 74) Fluoranthene | 19.56 | 202 | 1447878 | 52.615 | ng | | 96 |
| 76) Benzidine | 19.73 | 184 | 234888 | 15.734 | ng | | 98 |
| 77) Pyrene | 19.92 | 202 | 1467222 | 48.917 | ng | | 94 |
| 79) Butylbenzylphthalate | 20.79 | 149 | 619291 | 48.463 | ng | | 92 |
| 80) Benzo(a)anthracene | 21.78 | 228 | 1474439 | 50.790 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.68 | 252 | 390272 | 32.571 | ng | | 98 |
| 82) Chrysene | 21.84 | 228 | 1377949 | 49.564 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 862232 | 47.015 | ng | | 100 |
| 84) Di-n-octyl phthalate | 22.91 | 149 | 1492165 | 46.685 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 28.89 | 276 | 1834934 | 53.648 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 24.05 | 252 | 1562869 | 51.606 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 24.12 | 252 | 1471041 | 48.756 | ng | | 97 |
| 89) Benzo(a)pyrene | 24.95 | 252 | 1489102 | 51.147 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 28.96 | 278 | 1522916 | 51.667 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 30.09 | 276 | 1505435 | 54.969 | ng | | 96 |

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

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