Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021668.D
Acq On : 15 Apr 2016 1:11
Operator : UM/SJ
Sample : H2517-05MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S8-0572MS

**Manual Integrations APPROVED**
Sohil
4/15/2016 4:44:52 PM

Quant Time: Apr 15 04:09:15 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.21 | 152 | 30058 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.03 | 136 | 140719 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.82 | 164 | 93604 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 222058 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.83 | 240 | 252202 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.16 | 264 | 249873 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.76 | 112 | 135878 | 75.28 | ng | | 0.00 |
| 7) Phenol-d6 | 7.36 | 99 | 126275 | 46.83 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.38 | 82 | 281065 | 102.66 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.31 | 330 | 179755 | 178.18 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.46 | 172 | 645271 | 101.00 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.14 | 244 | 938242 | 92.83 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.63 | 88 | 14664 | 18.25 | ng | | 87 |
| 3) Pyridine | 4.04 | 79 | 36570 | 15.17 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.95 | 42 | 21868 | 18.30 | ng | # | 79 |
| 6) Aniline | 7.54 | 93 | 38793 | 10.88 | ng | | 94 |
| 8) 2-Chlorophenol | 7.78 | 128 | 90520 | 41.83 | ng | | 96 |
| 9) Benzaldehyde | 7.35 | 77 | 34875 | 22.37 | ng | | 92 |
| 10) Phenol | 7.39 | 94 | 44813 | 15.45 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.63 | 93 | 106921 | 46.07 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 8.10 | 146 | 96647 | 39.99 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.25 | 146 | 99993 | 40.64 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.57 | 146 | 98216 | 41.61 | ng | | 97 |
| 15) Benzyl Alcohol | 8.45 | 79 | 69553 | 33.76 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75 | 45 | 211278 | 42.50 | ng | | 99 |
| 17) 2-Methylphenol | 8.65 | 107 | 70636 | 35.23 | ng | | 91 |
| 18) Hexachloroethane | 9.31 | 117 | 35751 | 39.93 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 9.02 | 70 | 98710 | 47.12 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.98 | 107 | 85728 | 31.25 | ng | | 92 |
| 22) Acetophenone | 9.04 | 105 | 176126 | 44.94 | ng | # | 96 |
| 24) Nitrobenzene | 9.42 | 77 | 138792 | 47.35 | ng | | 97 |
| 25) Isophorone | 9.95 | 82 | 272207 | 45.43 | ng | | 98 |
| 26) 2-Nitrophenol | 10.14 | 139 | 59066 | 52.78 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 10.19 | 122 | 105262 | 41.41 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.42 | 93 | 160022 | 50.26 | ng | | 91 |
| 29) 2,4-Dichlorophenol | 10.67 | 162 | 110910 | 51.17 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.89 | 180 | 105437 | 45.24 | ng | | 92 |
| 31) Naphthalene | 11.08 | 128 | 345970 | 45.94 | ng | # | 95 |
| 32) Benzoic acid | 10.26 | 122 | 21832m | 20.15 | ng | | |
| 33) 4-Chloroaniline | 11.19 | 127 | 24881 | 7.63 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.36 | 225 | 62387 | 41.50 | ng | | 95 |
| 35) Caprolactam | 11.96 | 113 | 6782 | 6.84 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 12.29 | 107 | 127368 | 46.73 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.67 | 142 | 268663 | 51.97 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216 | 134364 | 45.93 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.01 | 237 | 152522 | 93.86 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.26 | 196 | 96734 | 51.86 | ng | 97 |
| 43) 2,4,5-Trichlorophenol | 13.33 | 196 | 106257 | 52.79 | ng | 98 |
| 45) 1,1'-Biphenyl | 13.66 | 154 | 360109 | 45.66 | ng | 97 |
| 46) 2-Chloronaphthalene | 13.71 | 162 | 277987 | 47.68 | ng | 99 |
| 47) 2-Nitroaniline | 13.90 | 65 | 105782 | 52.91 | ng | 97 |
| 48) Acenaphthylene | 14.55 | 152 | 465935 | 48.33 | ng | 97 |
| 49) Dimethylphthalate | 14.27 | 163 | 393040 | 48.56 | ng | 98 |
| 50) 2,6-Dinitrotoluene | 14.39 | 165 | 84845 | 54.98 | ng | 98 |
| 51) Acenaphthene | 14.89 | 154 | 330552 | 53.64 | ng | 98 |
| 52) 3-Nitroaniline | 14.72 | 138 | 19278 | 11.26 | ng | 100 |
| 53) 2,4-Dinitrophenol | 14.92 | 184 | 70680 | 115.42 | ng | 97 |
| 54) Dibenzofuran | 15.22 | 168 | 459151 | 54.57 | ng | 98 |
| 55) 4-Nitrophenol | 15.01 | 139 | 53662 | 36.62 | ng | 94 |
| 56) 2,4-Dinitrotoluene | 15.17 | 165 | 121709 | 58.36 | ng | 98 |
| 57) Fluorene | 15.86 | 166 | 375419 | 49.96 | ng | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.44 | 232 | 99832 | 59.78 | ng | 98 |
| 59) Diethylphthalate | 15.62 | 149 | 404785 | 47.92 | ng | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.85 | 204 | 183475 | 49.56 | ng | 99 |
| 61) 4-Nitroaniline | 15.88 | 138 | 85618 | 45.46 | ng | 98 |
| 62) Azobenzene | 16.15 | 77 | 392659 | 54.24 | ng | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 15.93 | 198 | 50896 | 54.24 | ng | 91 |
| 65) n-Nitrosodiphenylamine | 16.06 | 169 | 336298 | 50.50 | ng | 96 |
| 66) 4-Bromophenyl-phenylether | 16.75 | 248 | 121892 | 51.24 | ng | 95 |
| 67) Hexachlorobenzene | 16.86 | 284 | 126117 | 50.21 | ng | 96 |
| 68) Atrazine | 17.00 | 200 | 131256 | 49.91 | ng | 98 |
| 69) Pentachlorophenol | 17.20 | 266 | 159129 | 110.98 | ng | 96 |
| 70) Phenanthrene | 17.60 | 178 | 610439 | 49.88 | ng | 98 |
| 71) Anthracene | 17.69 | 178 | 618164 | 49.76 | ng | 97 |
| 72) Carbazole | 17.96 | 167 | 576546 | 49.72 | ng | 97 |
| 73) Di-n-butylphthalate | 18.50 | 149 | 710769 | 48.19 | ng | 98 |
| 74) Fluoranthene | 19.60 | 202 | 702228 | 48.05 | ng | 99 |
| 76) Benzidine | 19.77 | 184 | 163999 | 20.89 | ng | 99 |
| 77) Pyrene | 19.95 | 202 | 723076 | 49.72 | ng | 99 |
| 79) Butylbenzylphthalate | 20.82 | 149 | 337954 | 50.06 | ng | 98 |
| 80) Benzo(a)anthracene | 21.81 | 228 | 725669 | 50.00 | ng | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.72 | 252 | 84139 | 7.32 | ng | 95 |
| 82) Chrysene | 21.88 | 228 | 670927 | 48.12 | ng | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 488684 | 49.49 | ng | 99 |
| 84) Di-n-octyl phthalate | 22.95 | 149 | 845843 | 51.14 | ng | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 28.97 | 276 | 834114 | 50.32 | ng | 98 |
| 87) Benzo(b)fluoranthene | 24.10 | 252 | 739453 | 51.00 | ng | 99 |
| 88) Benzo(k)fluoranthene | 24.17 | 252 | 696901 | 49.16 | ng | 99 |
| 89) Benzo(a)pyrene | 25.01 | 252 | 701737 | 49.95 | ng | 98 |
| 90) Dibenzo(a,h)anthracene | 29.05 | 278 | 701377 | 49.80 | ng | 98 |
| 91) Benzo(g,h,i)perylene | 30.18 | 276 | 696837 | 50.42 | ng | 97 |

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

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