Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081708.D
Acq On : 18 Sep 2015 21:46
Operator : UM/IZ
Sample : G3704-13MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-12-9-15-15MSD

**Manual Integrations APPROVED**
MMDadoda
9/21/2015 2:22:32 PM

Quant Time: Sep 21 10:50:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.16 | 152 | 41276 | 20.00 | ng | | -0.06 |
| 21) Naphthalene-d8 | 11.06 | 136 | 167974 | 20.00 | ng | | -0.06 |
| 38) Acenaphthene-d10 | 15.20 | 164 | 78127 | 20.00 | ng | | -0.06 |
| 63) Phenanthrene-d10 | 18.70 | 188 | 162732 | 20.00 | ng | | -0.06 |
| 75) Chrysene-d12 | 23.35 | 240 | 140763 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 24.78 | 264 | 91862 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 158984 | 59.76 | ng | | -0.03 |
| 7) Phenol-d6 | 7.59 | 99 | 130205 | 36.97 | ng | | -0.06 |
| 23) Nitrobenzene-d5 | 9.48 | 82 | 368891 | 105.96 | ng | | -0.06 |
| 41) 2,4,6-Tribromophenol | 17.11 | 330 | 115580 | 166.15 | ng | | -0.06 |
| 44) 2-Fluorobiphenyl | 13.72 | 172 | 651627 | 106.88 | ng | | -0.06 |
| 78) Terphenyl-d14 | 22.07 | 244 | 590606 | 97.67 | ng | | -0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.57 | 88 | 35107 | 29.38 | ng | # | 81 |
| 3) Pyridine | 2.12 | 79 | 29575 | 8.98 | ng | # | 75 |
| 4) n-Nitrosodimethylamine | 2.05 | 42 | 36523 | 19.95 | ng | # | 59 |
| 6) Aniline | 7.48 | 93 | 79359 | 15.96 | ng | # | 84 |
| 8) 2-Chlorophenol | 7.72 | 128 | 110675 | 37.75 | ng | # | 79 |
| 9) Benzaldehyde | 7.19 | 77 | 56891 | 25.78 | ng | # | 73 |
| 10) Phenol | 7.61 | 94 | 52206m | 12.78 | ng | | |
| 11) bis(2-Chloroethyl)ether | 7.70 | 93 | 139939 | 47.50 | ng | # | 80 |
| 12) 1,3-Dichlorobenzene | 8.01 | 146 | 129007 | 41.19 | ng | # | 87 |
| 13) 1,4-Dichlorobenzene | 8.21 | 146 | 132552 | 41.56 | ng | # | 90 |
| 14) 1,2-Dichlorobenzene | 8.53 | 146 | 129942 | 45.25 | ng | # | 91 |
| 15) Benzyl Alcohol | 8.61 | 79 | 80020 | 27.70 | ng | # | 68 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.93 | 45 | 298359 | 52.83 | ng | | 95 |
| 17) 2-Methylphenol | 8.96 | 107 | 71521 | 30.58 | ng | # | 79 |
| 18) Hexachloroethane | 9.26 | 117 | 54343 | 43.80 | ng | | 88 |
| 19) n-Nitroso-di-n-propylamine | 9.25 | 70 | 119815 | 49.99 | ng | # | 89 |
| 20) 3+4-Methylphenols | 9.34 | 107 | 80691 | 25.59 | ng | # | 80 |
| 22) Acetophenone | 9.16 | 105 | 213267 | 46.48 | ng | # | 73 |
| 24) Nitrobenzene | 9.51 | 77 | 177671 | 49.14 | ng | # | 61 |
| 25) Isophorone | 10.10 | 82 | 309912 | 47.86 | ng | # | 84 |
| 26) 2-Nitrophenol | 10.24 | 139 | 68720 | 43.61 | ng | # | 21 |
| 27) 2,4-Dimethylphenol | 10.52 | 122 | 107240 | 39.40 | ng | # | 74 |
| 28) bis(2-Chloroethoxy)methane | 10.71 | 93 | 182402 | 48.76 | ng | # | 91 |
| 29) 2,4-Dichlorophenol | 10.86 | 162 | 102834 | 43.57 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.97 | 180 | 116333 | 45.37 | ng | # | 97 |
| 31) Naphthalene | 11.12 | 128 | 409136 | 45.67 | ng | | 99 |
| 32) Benzoic acid | 10.93 | 122 | 15458m | 10.08 | ng | | |
| 33) 4-Chloroaniline | 11.36 | 127 | 62375 | 17.07 | ng | # | 82 |
| 34) Hexachlorobutadiene | 11.46 | 225 | 73298 | 46.97 | ng | | 99 |
| 35) Caprolactam | 12.29 | 113 | 2767 | 3.82 | ng | # | 28 |
| 36) 4-Chloro-3-methylphenol | 12.66 | 107 | 116662 | 44.16 | ng | # | 76 |
| 37) 2-Methylnaphthalene | 12.77 | 142 | 285718 | 49.01 | ng | # | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216 | 122871 | 49.73 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 13.16 | 237 | 116100 | 95.75 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.52 | 196 | 78115 | 45.81 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.64 | 196 | 81544 | 46.87 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 13.91 | 154 | 348908 | 48.54 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.90 | 162 | 258155 | 49.73 | ng | # | 87 |
| 47) 2-Nitroaniline | 14.25 | 65 | 110026 | 52.01 | ng | # | 59 |
| 48) Acenaphthylene | 14.86 | 152 | 443007 | 48.11 | ng | | 97 |
| 49) Dimethylphthalate | 14.80 | 163 | 337564 | 55.61 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 14.89 | 165 | 63690 | 46.23 | ng | # | 21 |
| 51) Acenaphthene | 15.28 | 154 | 253424 | 48.38 | ng | | 90 |
| 52) 3-Nitroaniline | 15.25 | 138 | 36098 | 23.02 | ng | # | 47 |
| 53) 2,4-Dinitrophenol | 15.55 | 184 | 61174 | 86.40 | ng | # | 24 |
| 54) Dibenzofuran | 15.71 | 168 | 398079 | 52.04 | ng | # | 85 |
| 55) 4-Nitrophenol | 15.90 | 139 | 19183m | 19.47 | ng | | |
| 56) 2,4-Dinitrotoluene | 15.85 | 165 | 91925 | 52.40 | ng | # | 67 |
| 57) Fluorene | 16.52 | 166 | 312183 | 53.78 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.07 | 232 | 70329 | 52.95 | ng | | 93 |
| 59) Diethylphthalate | 16.49 | 149 | 347855 | 54.48 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 16.61 | 204 | 148743 | 54.98 | ng | # | 86 |
| 61) 4-Nitroaniline | 16.72 | 138 | 61504 | 38.81 | ng | # | 13 |
| 62) Azobenzene | 16.97 | 77 | 394049 | 55.51 | ng | | 81 |
| 64) 4,6-Dinitro-2-methylphenol | 16.81 | 198 | 43332 | 47.61 | ng | # | 74 |
| 65) n-Nitrosodiphenylamine | 16.93 | 169 | 266797 | 45.06 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 17.75 | 248 | 83735 | 50.89 | ng | # | 91 |
| 67) Hexachlorobenzene | 17.80 | 284 | 84866 | 49.33 | ng | # | 82 |
| 68) Atrazine | 18.35 | 200 | 95471 | 55.71 | ng | # | 78 |
| 69) Pentachlorophenol | 18.35 | 266 | 65593 | 78.50 | ng | | 98 |
| 70) Phenanthrene | 18.77 | 178 | 446931 | 49.40 | ng | | 97 |
| 71) Anthracene | 18.88 | 178 | 452901 | 48.73 | ng | | 98 |
| 72) Carbazole | 19.36 | 167 | 418843 | 48.02 | ng | | 96 |
| 73) Di-n-butylphthalate | 20.41 | 149 | 560667 | 54.44 | ng | # | 98 |
| 74) Fluoranthene | 21.39 | 202 | 488465 | 49.88 | ng | | 89 |
| 76) Benzidine | 21.71 | 184 | 86104 | 14.25 | ng | # | 97 |
| 77) Pyrene | 21.74 | 202 | 505642 | 48.49 | ng | | 99 |
| 79) Butylbenzylphthalate | 22.77 | 149 | 229205 | 50.54 | ng | # | 77 |
| 80) Benzo(a)anthracene | 23.34 | 228 | 407841 | 45.50 | ng | | 96 |
| 81) 3,3'-Dichlorobenzidine | 23.35 | 252 | 82401 | 27.25 | ng | # | 93 |
| 82) Chrysene | 23.39 | 228 | 392185 | 48.81 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 23.47 | 149 | 333041 | 55.65 | ng | # | 93 |
| 84) Di-n-octyl phthalate | 24.12 | 149 | 510480 | 51.81 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 25.82 | 276 | 266621 | 45.22 | ng | # | 84 |
| 87) Benzo(b)fluoranthene | 24.45 | 252 | 336731m | 51.34 | ng | | |
| 88) Benzo(k)fluoranthene | 24.47 | 252 | 272484m | 50.07 | ng | | |
| 89) Benzo(a)pyrene | 24.73 | 252 | 289323 | 52.06 | ng | # | 88 |
| 90) Dibenzo(a,h)anthracene | 25.83 | 278 | 224932 | 52.38 | ng | # | 79 |
| 91) Benzo(g,h,i)perylene | 26.12 | 276 | 216193 | 52.75 | ng | # | 76 |

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

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