Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088651.D
Acq On : 3 Jul 2016 16:02
Operator : UM/SJ
Sample : H3837-08MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** C1.2-6MSD

**Manual Integrations APPROVED**
umangi
7/5/2016 7:51:47 PM

Quant Time: Jul 04 05:54:10 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 111490 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.07 | 136 | 439910 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 204324 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.30 | 188 | 422082 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.92 | 240 | 282983 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.31 | 264 | 264738 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 946848 | 127.28 | ng | | -0.01 |
| 7) Phenol-d6 | 6.42 | 99 | 1146076 | 119.23 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 767607 | 91.44 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 276633 | 145.80 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1338216 | 103.45 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.88 | 244 | 1134222 | 89.27 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.39 | 88 | 115126 | 31.22 | ng | # | 34 |
| 3) Pyridine | 3.10 | 79 | 43117 | 4.03 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.02 | 42 | 82879 | 20.27 | ng | | 87 |
| 6) Aniline | 6.44 | 93 | 122331 | 8.73 | ng | # | 87 |
| 8) 2-Chlorophenol | 6.57 | 128 | 194293 | 24.30 | ng | | 96 |
| 9) Benzaldehyde | 6.33 | 77 | 123639 | 18.99 | ng | | 99 |
| 10) Phenol | 6.43 | 94 | 178517 | 16.27 | ng | # | 62 |
| 11) bis(2-Chloroethyl)ether | 6.52 | 93 | 185729 | 22.70 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 177749m | 20.20 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 185449 | 21.24 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 183357 | 22.43 | ng | | 95 |
| 15) Benzyl Alcohol | 6.92 | 79 | 167460 | 23.67 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45 | 242956 | 20.51 | ng | | 91 |
| 17) 2-Methylphenol | 7.04 | 107 | 151995 | 23.30 | ng | | 97 |
| 18) Hexachloroethane | 7.30 | 117 | 74927 | 22.18 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 133482 | 20.67 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 196677 | 25.12 | ng | # | 83 |
| 22) Acetophenone | 7.20 | 105 | 273489 | 25.61 | ng | # | 90 |
| 24) Nitrobenzene | 7.37 | 77 | 232416 | 27.46 | ng | | 91 |
| 25) Isophorone | 7.61 | 82 | 396290 | 25.49 | ng | | 99 |
| 26) 2-Nitrophenol | 7.69 | 139 | 92272 | 26.59 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 7.72 | 122 | 159388 | 22.05 | ng | | 88 |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93 | 255548 | 25.25 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 7.93 | 162 | 155733 | 26.66 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.01 | 180 | 151887 | 23.69 | ng | | 100 |
| 31) Naphthalene | 8.09 | 128 | 537495 | 24.78 | ng | | 99 |
| 32) Benzoic acid | 7.79 | 122 | 21605 | 4.12 | ng | | 93 |
| 33) 4-Chloroaniline | 8.14 | 127 | 104557 | 10.84 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 84989 | 24.76 | ng | | 100 |
| 35) Caprolactam | 8.54 | 113 | 49678m | 25.04 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.63 | 107 | 176672 | 25.57 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 339003 | 24.28 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 131104 | 19.29 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.94 | 237 | 237386 | 71.17 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.06 | 196 | 110742 | 24.72 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.10 | 196 | 110324 | 28.62 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 9.24 | 154 | 421582 | 24.92 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.27 | 162 | 329171 | 24.78 | ng | | 99 |
| 47) 2-Nitroaniline | 9.36 | 65 | 113536 | 24.09 | ng | | 98 |
| 48) Acenaphthylene | 9.68 | 152 | 518775 | 24.55 | ng | | 100 |
| 49) Dimethylphthalate | 9.55 | 163 | 557727 | 38.31 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.61 | 165 | 90096 | 27.93 | ng | | 93 |
| 51) Acenaphthene | 9.85 | 154 | 352513 | 27.21 | ng | | 98 |
| 52) 3-Nitroaniline | 9.77 | 138 | 81268 | 19.82 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 9.87 | 184 | 76286 | 53.55 | ng | # | 85 |
| 54) Dibenzofuran | 10.02 | 168 | 440286 | 25.97 | ng | # | 88 |
| 55) 4-Nitrophenol | 9.94 | 139 | 253400 | 81.31 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 10.01 | 165 | 121169 | 28.73 | ng | | 98 |
| 57) Fluorene | 10.36 | 166 | 356951 | 27.32 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.15 | 232 | 83601 | 28.03 | ng | # | 52 |
| 59) Diethylphthalate | 10.25 | 149 | 421560 | 28.86 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204 | 161789 | 26.65 | ng | | 92 |
| 61) 4-Nitroaniline | 10.38 | 138 | 80701 | 20.45 | ng | | 83 |
| 62) Azobenzene | 10.52 | 77 | 467356 | 28.05 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 52688 | 23.34 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.48 | 169 | 334147 | 23.39 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.84 | 248 | 95338 | 22.41 | ng | # | 75 |
| 67) Hexachlorobenzene | 10.91 | 284 | 111553 | 23.69 | ng | # | 85 |
| 68) Atrazine | 11.00 | 200 | 95693 | 21.50 | ng | | 91 |
| 69) Pentachlorophenol | 11.11 | 266 | 177725 | 63.78 | ng | | 98 |
| 70) Phenanthrene | 11.32 | 178 | 573663 | 24.86 | ng | | 98 |
| 71) Anthracene | 11.37 | 178 | 532284 | 23.20 | ng | | 99 |
| 72) Carbazole | 11.53 | 167 | 525710 | 24.35 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.86 | 149 | 616103 | 24.53 | ng | | 99 |
| 74) Fluoranthene | 12.50 | 202 | 560287 | 23.95 | ng | | 99 |
| 76) Benzidine | 12.63 | 184 | 44800 | 3.13 | ng | | 98 |
| 77) Pyrene | 12.73 | 202 | 588676 | 24.53 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.36 | 149 | 272190 | 25.43 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.91 | 228 | 447566 | 24.56 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.87 | 252 | 98953 | 14.44 | ng | # | 93 |
| 82) Chrysene | 13.95 | 228 | 452385 | 25.09 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 349200 | 28.58 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 581628 | 28.02 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.64 | 276 | 346543 | 24.99 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.93 | 252 | 428066m | 25.78 | ng | | |
| 88) Benzo(k)fluoranthene | 14.95 | 252 | 335763m | 23.22 | ng | | |
| 89) Benzo(a)pyrene | 15.26 | 252 | 354411 | 25.21 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.66 | 278 | 286103 | 24.37 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.04 | 276 | 287790 | 23.69 | ng | | 99 |

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

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