Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086845.D
Acq On : 10 May 2016 2:51
Operator : UM/SJ
Sample : H2895-11MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP8-9.5FTMSD

**Manual Integrations APPROVED**
sohil
5/10/2016 11:06:08 AM

Quant Time: May 10 03:58:45 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 171989 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.98 | 136 | 719308 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 337907 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.21 | 188 | 595981 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.84 | 240 | 340753 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.21 | 264 | 347559 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 1262725 | 124.34 | ng | | 0.01 |
| 7) Phenol-d6 | 6.36 | 99 | 1654303 | 121.88 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 1194544 | 83.39 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 411462 | 115.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 1565487 | 77.86 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.79 | 244 | 1328832 | 82.74 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.25 | 88 | 152696 | 30.63 | ng | # | 69 |
| 3) Pyridine | 2.92 | 79 | 432381 | 35.47 | ng | # | 67 |
| 4) n-Nitrosodimethylamine | 2.88 | 42 | 348284 | 39.40 | ng | # | 51 |
| 6) Aniline | 6.36 | 93 | 437530 | 26.65 | ng | # | 45 |
| 8) 2-Chlorophenol | 6.49 | 128 | 499734 | 40.78 | ng | | 97 |
| 9) Benzaldehyde | 6.24 | 77 | 49471 | 6.29 | ng | | 92 |
| 10) Phenol | 6.37 | 94 | 711129 | 44.08 | ng | | 72 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 502985 | 39.99 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.62 | 146 | 491786m | 37.08 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.70 | 146 | 494295m | 36.55 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.86 | 146 | 476679 | 40.44 | ng | | 99 |
| 15) Benzyl Alcohol | 6.85 | 79 | 430566 | 45.94 | ng | # | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 982760 | 35.93 | ng | | 56 |
| 17) 2-Methylphenol | 6.98 | 107 | 424509 | 43.53 | ng | # | 82 |
| 18) Hexachloroethane | 7.20 | 117 | 186262 | 36.61 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70 | 429316 | 45.26 | ng | # | 78 |
| 20) 3+4-Methylphenols | 7.14 | 107 | 566381 | 44.47 | ng | # | 58 |
| 22) Acetophenone | 7.12 | 105 | 730259 | 42.98 | ng | | 99 |
| 24) Nitrobenzene | 7.29 | 77 | 618548 | 41.97 | ng | | 98 |
| 25) Isophorone | 7.53 | 82 | 1049239 | 39.48 | ng | | 99 |
| 26) 2-Nitrophenol | 7.61 | 139 | 268248 | 41.41 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 433346 | 39.27 | ng | | 86 |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93 | 669813 | 46.72 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 405553 | 41.76 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 447864 | 41.24 | ng | | 98 |
| 31) Naphthalene | 8.00 | 128 | 1429163 | 39.67 | ng | | 99 |
| 32) Benzoic acid | 7.77 | 122 | 66416 | 10.25 | ng | # | 82 |
| 33) 4-Chloroaniline | 8.06 | 127 | 248553 | 17.75 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 248985 | 39.52 | ng | | 98 |
| 35) Caprolactam | 8.45 | 113 | 140812m | 42.61 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.57 | 107 | 458506 | 38.93 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 934090 | 44.35 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 385084 | 39.20 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.84 | 237 | 212156 | 45.50 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.98 | 196 | 270334 | 41.15 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.04 | 196 | 282254 | 41.54 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.16 | 154 | 1186001 | 44.13 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.18 | 162 | 886625 | 42.11 | ng | | 99 |
| 47) 2-Nitroaniline | 9.29 | 65 | 321259 | 41.74 | ng | # | 76 |
| 48) Acenaphthylene | 9.60 | 152 | 1321499 | 42.67 | ng | | 99 |
| 49) Dimethylphthalate | 9.47 | 163 | 1388388 | 53.86 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.53 | 165 | 223489 | 41.19 | ng | # | 65 |
| 51) Acenaphthene | 9.77 | 154 | 906941 | 47.07 | ng | | 98 |
| 52) 3-Nitroaniline | 9.70 | 138 | 133359 | 23.35 | ng | # | 79 |
| 53) 2,4-Dinitrophenol | 9.81 | 184 | 88419 | 36.52 | ng | | 90 |
| 54) Dibenzofuran | 9.94 | 168 | 1215572 | 49.15 | ng | | 96 |
| 55) 4-Nitrophenol | 9.89 | 139 | 325175 | 85.07 | ng | # | 64 |
| 56) 2,4-Dinitrotoluene | 9.94 | 165 | 292357 | 43.54 | ng | # | 87 |
| 57) Fluorene | 10.28 | 166 | 1008432 | 47.81 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.06 | 232 | 241755 | 47.26 | ng | # | 100 |
| 59) Diethylphthalate | 10.17 | 149 | 1039789 | 41.39 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.27 | 204 | 372614 | 39.34 | ng | | 98 |
| 61) 4-Nitroaniline | 10.32 | 138 | 203676 | 37.13 | ng | # | 72 |
| 62) Azobenzene | 10.43 | 77 | 1164393 | 42.96 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198 | 101642 | 27.45 | ng | # | 24 |
| 65) n-Nitrosodiphenylamine | 10.40 | 169 | 788116 | 43.04 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.76 | 248 | 260277 | 43.07 | ng | # | 82 |
| 67) Hexachlorobenzene | 10.82 | 284 | 261570 | 37.04 | ng | # | 74 |
| 68) Atrazine | 10.93 | 200 | 272376 | 44.53 | ng | | 95 |
| 69) Pentachlorophenol | 11.02 | 266 | 279442 | 85.62 | ng | | 98 |
| 70) Phenanthrene | 11.24 | 178 | 2260384 | 71.07 | ng | | 99 |
| 71) Anthracene | 11.29 | 178 | 1550302 | 47.66 | ng | | 99 |
| 72) Carbazole | 11.45 | 167 | 1238926 | 44.31 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.78 | 149 | 1331608 | 39.00 | ng | # | 98 |
| 74) Fluoranthene | 12.42 | 202 | 1888856 | 57.74 | ng | | 97 |
| 76) Benzidine | 12.55 | 184 | 500985 | 57.67 | ng | | 97 |
| 77) Pyrene | 12.65 | 202 | 1889105 | 72.41 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.27 | 149 | 471070 | 42.69 | ng | # | 72 |
| 80) Benzo(a)anthracene | 13.83 | 228 | 1055056 | 55.15 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.79 | 252 | 163689 | 13.47 | ng | | 99 |
| 82) Chrysene | 13.86 | 228 | 900863 | 46.30 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.83 | 149 | 586001 | 44.15 | ng | | 97 |
| 84) Di-n-octyl phthalate | 14.43 | 149 | 979227 | 44.54 | ng | # | 85 |
| 85) Indeno(1,2,3-cd)pyrene | 16.51 | 276 | 962716 | 59.46 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 14.83 | 252 | 1035184m | 45.83 | ng | | |
| 88) Benzo(k)fluoranthene | 14.85 | 252 | 790875m | 42.76 | ng | | |
| 89) Benzo(a)pyrene | 15.16 | 252 | 976879 | 50.14 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.52 | 278 | 763026 | 46.47 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 16.90 | 276 | 828955 | 49.68 | ng | # | 92 |

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

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