Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032317\
Data File : BF093897.D
Acq On : 24 Mar 2017 00:04
Operator : SJ/MA
Sample : I2367-17MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
E2-CC-DD-8-9-BASEMSD

**Manual Integrations APPROVED**
mohammad
3/24/2017 4:10:55 PM

Quant Time: Mar 24 13:36:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 23 02:02:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.97 | 152 | 164386 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.48 | 136 | 664668 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.63 | 164 | 298329 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.45 | 188 | 500895 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.71 | 240 | 292075 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 16.34 | 264 | 282239 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.52 | 112 | 1114972 | 114.56 | ng | | 0.01 |
| 7) Phenol-d6 | 5.57 | 99 | 1417262 | 117.71 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 6.63 | 82 | 882558 | 75.78 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 291505 | 123.65 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.81 | 172 | 1450847 | 74.18 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.43 | 244 | 983566 | 75.48 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.40 | 88 | 159070 | 34.02 | ng | | 97 |
| 3) Pyridine | 2.88 | 79 | 440748 | 34.59 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.83 | 42 | 207797 | 39.63 | ng | | 93 |
| 6) Aniline | 5.60 | 93 | 376237 | 22.46 | ng | | 96 |
| 8) 2-Chlorophenol | 5.74 | 128 | 446290 | 41.72 | ng | | 97 |
| 9) Benzaldehyde | 5.47 | 77 | 129452 | 15.92 | ng | | 99 |
| 10) Phenol | 5.59 | 94 | 587181 | 42.86 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 5.68 | 93 | 416305 | 38.88 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 5.91 | 146 | 467809 | 38.98 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.00 | 146 | 470984 | 38.75 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.17 | 146 | 440781 | 39.38 | ng | | 96 |
| 15) Benzyl Alcohol | 6.14 | 79 | 375794 | 42.64 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.30 | 45 | 594517 | 36.03 | ng | | 99 |
| 17) 2-Methylphenol | 6.28 | 107 | 369060 | 40.28 | ng | | 96 |
| 18) Hexachloroethane | 6.57 | 117 | 163062 | 38.17 | ng | # | 86 |
| 19) n-Nitroso-di-n-propylamine | 6.46 | 70 | 305275 | 39.45 | ng | | 98 |
| 20) 3+4-Methylphenols | 6.46 | 107 | 444893 | 40.09 | ng | # | 81 |
| 22) Acetophenone | 6.45 | 105 | 609173 | 41.12 | ng | # | 92 |
| 24) Nitrobenzene | 6.65 | 77 | 454427 | 39.56 | ng | | 92 |
| 25) Isophorone | 6.94 | 82 | 806258 | 39.40 | ng | | 95 |
| 26) 2-Nitrophenol | 7.02 | 139 | 247000 | 45.09 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.09 | 122 | 391687 | 41.50 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.20 | 93 | 528579 | 39.17 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.32 | 162 | 377890 | 42.82 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.42 | 180 | 364380 | 40.09 | ng | | 98 |
| 31) Naphthalene | 7.51 | 128 | 1235964 | 38.67 | ng | | 100 |
| 33) 4-Chloroaniline | 7.57 | 127 | 199999 | 15.44 | ng | # | 93 |
| 34) Hexachlorobutadiene | 7.66 | 225 | 177293 | 38.03 | ng | | 97 |
| 35) Caprolactam | 8.02 | 113 | 109726m | 38.99 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.19 | 107 | 391927 | 42.50 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.35 | 142 | 850428 | 39.92 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.56 | 216 | 310356 | 38.03 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.55 | 237 | 262817 | 68.82 | ng | | 100 |
| 42) 2,4,6-Trichlorophenol | 8.70 | 196 | 254924 | 44.15 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.75 | 196 | 252392 | 40.40 | ng | | 94 |
| 45) 1,1'-Biphenyl | 8.93 | 154 | 940175 | 39.07 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.95 | 162 | 739630 | 39.27 | ng | | 93 |
| 47) 2-Nitroaniline | 9.07 | 65 | 228163 | 40.83 | ng | | 88 |
| 48) Acenaphthylene | 9.46 | 152 | 1192398 | 38.09 | ng | | 99 |
| 49) Dimethylphthalate | 9.32 | 163 | 1054651 | 49.73 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.38 | 165 | 202534 | 41.66 | ng | | 95 |
| 51) Acenaphthene | 9.67 | 154 | 698741 | 38.25 | ng | | 99 |
| 52) 3-Nitroaniline | 9.57 | 138 | 154739 | 27.11 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.70 | 184 | 14186 | 9.80 | ng | # | 74 |
| 54) Dibenzofuran | 9.88 | 168 | 1020793 | 41.05 | ng | | 99 |
| 55) 4-Nitrophenol | 9.80 | 139 | 294173 | 65.80 | ng | # | 68 |
| 56) 2,4-Dinitrotoluene | 9.87 | 165 | 254825 | 41.73 | ng | # | 81 |
| 57) Fluorene | 10.30 | 166 | 761146 | 36.91 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 184925 | 43.14 | ng | | 99 |
| 59) Diethylphthalate | 10.19 | 149 | 859591 | 41.01 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.31 | 204 | 326307 | 37.14 | ng | | 93 |
| 61) 4-Nitroaniline | 10.33 | 138 | 191013 | 34.87 | ng | | 96 |
| 62) Azobenzene | 10.50 | 77 | 810386 | 40.87 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.37 | 198 | 84315 | 27.49 | ng | # | 76 |
| 65) n-Nitrosodiphenylamine | 10.46 | 169 | 712505 | 41.13 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.91 | 248 | 199350 | 40.47 | ng | | 99 |
| 67) Hexachlorobenzene | 10.98 | 284 | 203413 | 40.79 | ng | # | 87 |
| 68) Atrazine | 11.13 | 200 | 207357 | 39.97 | ng | | 97 |
| 69) Pentachlorophenol | 11.23 | 266 | 205778 | 66.29 | ng | | 97 |
| 70) Phenanthrene | 11.49 | 178 | 1086930 | 39.01 | ng | | 98 |
| 71) Anthracene | 11.55 | 178 | 1103283 | 38.46 | ng | | 98 |
| 72) Carbazole | 11.75 | 167 | 986110 | 33.52 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.20 | 149 | 1253438 | 40.97 | ng | | 99 |
| 74) Fluoranthene | 12.95 | 202 | 1000482 | 35.07 | ng | | 98 |
| 76) Benzidine | 13.11 | 184 | 295053 | 25.52 | ng | # | 94 |
| 77) Pyrene | 13.22 | 202 | 966072 | 45.58 | ng | | 99 |
| 79) Butylbenzylphthalate | 14.04 | 149 | 427551 | 47.34 | ng | # | 86 |
| 80) Benzo(a)anthracene | 14.69 | 228 | 658585 | 38.67 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.66 | 252 | 139183 | 22.86 | ng | # | 97 |
| 82) Chrysene | 14.74 | 228 | 593329 | 37.54 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.76 | 149 | 556607 | 45.17 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 15.51 | 149 | 825643 | 40.11 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.74 | 276 | 679980 | 49.68 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.93 | 252 | 637319 | 36.84 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.96 | 252 | 568796m | 33.60 | ng | | |
| 89) Benzo(a)pyrene | 16.29 | 252 | 596097 | 37.42 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 17.76 | 278 | 569286 | 42.19 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 18.15 | 276 | 555696 | 40.87 | ng | | 99 |

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

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